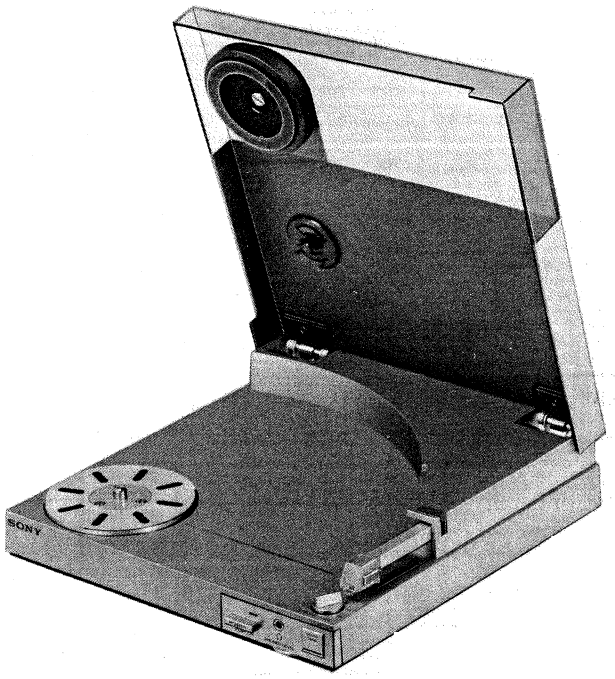
PS-Q7

US Model
AEP Model
UK Model
E Model



STEREO TURNTABLE SYSTEM

SPECIFICATIONS

General

Power Requirements:	220 V ac, 50/60 Hz (AEP model) 240 V ac, 50/60 Hz (UK model) 110 – 120 or 220 – 240 V ac adjustable, 50/60 Hz (E model) 120 V ac, 60 Hz (US model)
Power Consumption:	5 W
Dimensions:	Approx. 215 (w) x 235 (h) x 58 (d) mm 8 1/2 (w) x 9 3/8 (h) x 2 3/8 (d) inches including projecting parts and controls
Weight:	Approx. 2.5 kg, 5 lbs 8 oz net Approx. 3.2 kg (7 lbs 8 oz), in shipping carton

Turntable

Platter:	7.8 cm (3 1/8 in.), aluminum-alloy diecast
Motor:	Linear torque BSL (brushless and slotless) motor
Drive System:	Direct drive
Control System:	Magnedisc servo control system
Speed:	33 1/3 rpm, 45 rpm
Wow and Flutter:	0.08% (WRMS)
Signal-to-noise Ratio:	68 dB (DIN-B)
Automatic System:	Lead-in, return, reject

Tonearm

Type:	Dynamic balanced low mass type

Cartridge

Type:	Moving magnet type
Frequency Response:	10 to 20,000 Hz
Channel Separation:	20 dB at 1 kHz
Load Impedance:	50 kΩ
Tracking Force:	2 g
Stylus:	Sony ND-143G (0.6 mil diamond)
Weight:	3.4 g

Amplifier section

Outputs:	PHONO OUT Stereo mini jack HEADPHONES Stereo mini jack 0.77 mV to 55 mV (-60 dB to -23 dB) (at 8Ω load)
Frequency Response:	RIAA equalization curve ±0.5 dB

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

MICROFILM

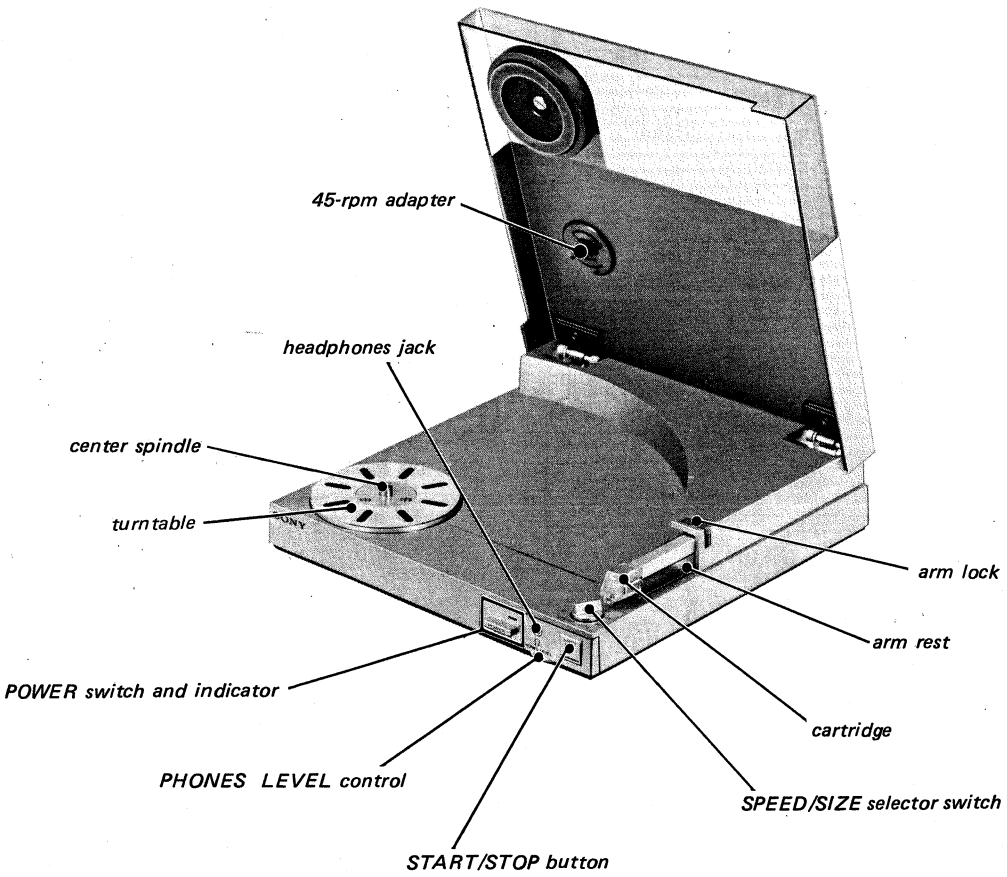
SONY®
SERVICE MANUAL

SECTION 1
OUTLINE

FEATURES

- Direct drive system by a linear torque BSL motor.
- Compact size permits to set at anywhere.
- A headphones can be directly connected to the player system.

1-1. LOCATION AND FUNCTION OF CONTROLS



PS-Q7A

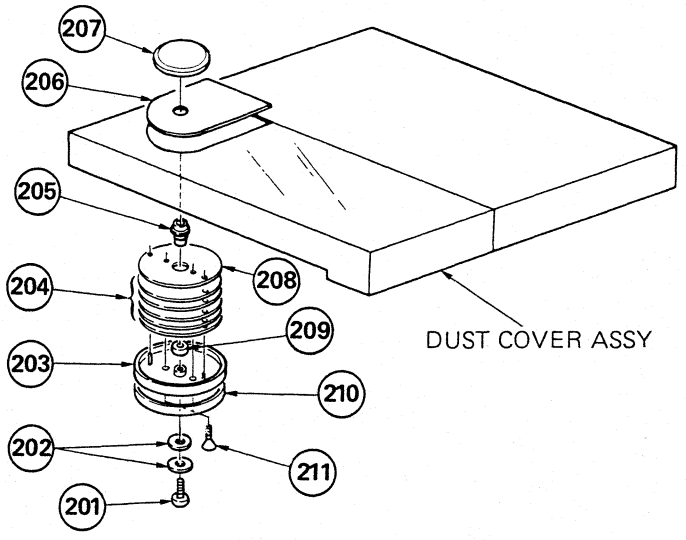
SERVICE MANUAL

AEP Model
E Model

- PS-Q7 differs from PS-Q7 in following parts.
- Refer to the PS-Q7 Service Manual and supplement previously issued for the information not contained here.

No.	Part No.	Description
53	4-885-133-00	(SILVER)..BUTTON,POWER
53	4-885-133-21	(BLACK)...BUTTON,POWER
54	4-885-134-00	(SILVER)..KNOB,SELECT
54	4-885-134-21	(BLACK)...KNOB,SELECT
56	4-885-136-00	(SILVER)..BUTTON,S/S
56	4-885-136-21	(BLACK)...BUTTON,S/S
64	4-885-146-00	(SILVER)..KNOB,CONTROL
64	4-885-146-21	(BLACK)...KNOB,CONTROL
71	4-885-167-00	(SILVER)..PANEL,CONTROL
71	4-885-167-21	(BLACK)...PANEL,CONTROL
78	4-885-176-51	(SILVER)..FRAME,SUB
78	4-885-176-41	(BLACK)...FRAME,SUB
81	4-885-224-01	(SILVER)..FRAME
81	4-885-224-11	(BLACK)...FRAME
91	*4-885-221-01	(AEP).....LABEL,MODEL NUMBER
91	*4-885-223-01	(G-AEP)...LABEL,MODEL NUMBER
91	*4-885-222-01	(E).....LABEL,MODEL NUMBER
139	X-4905-503-1	(SILVER)..COVER ASSY,DUST
139	X-4905-503-4	(BLACK)...COVER ASSY,DUST
193	4-885-209-11	(AEP)..INDIVIDUAL CARTON
139	4-885-209-21	(E)....INDIVIDUAL CARTON

- PS-Q7A differs from PS-Q7 in following structure and parts.

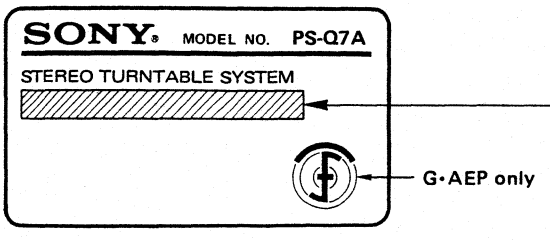


No.	Part No.	Description
201	7-682-549-09	SCREW +B 3X10
202	3-663-748-00	WASHER,SUS
203	4-905-521-01	CASE,WEIGHT
204	*4-905-502-01	PLATE(B),WEIGHT
205	*4-885-220-01	SLEEVE(B),CENTER
206	4-885-111-11	(AEP)(SILVER)..PANEL,ORNAMENTAL
206	4-885-111-21	(AEP)(BLACK)...PANEL,ORNAMENTAL
206	4-885-111-01	(E)(SILVER)....PANEL,ORNAMENTAL
206	4-885-111-31	(E)(BLACK).....PANEL,ORNAMENTAL
207	4-885-225-01	(SILVER)..NUT,ORNAMENTAL
207	4-885-225-11	(BLACK)...NUT,ORNAMENTAL
208	*4-905-501-01	PLATE(A),WEIGHT
209	4-885-186-00	BEARING,RADIAL
210	4-885-138-00	CUSHION
211	7-682-250-09	SCREW +K 3X12

NOTE:
· Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- **MODEL IDENTIFICATION**

– Specification Label –



AEP model: AC : 220V ~ 50/60 Hz 5W
E model: AC : 110 – 120V, 220 – 240V ~ 50/60 Hz 5W

STEREO TURNTABLE SYSTEM

SONY®

MICROFILM

English
85C0636-1
Printed in Japan
© 1985

Sony Corporation

AUD

PS-Q7

SERVICE MANUAL

US Model
AEP Model
UK Model
E Model

SUPPLEMENT

File this supplement with the service manual.

No. 3
December, 1983

Subject: Cabinet Color Addition

Red type and light silver type have been added.
Accordingly, the cabinet is four kinds of color in total.

GENERAL SECTION

No.	Part No	Description
53	4-885-133-00	(OTHER COLORS)...BUTTON, POWER
53	4-885-133-11	(BLACK).....BUTTON, POWER
56	4-885-136-00	(OTHER COLORS)...BUTTON, S/S
56	4-885-136-11	(BLACK).....BUTTON, S/S
64	4-885-146-00	(OTHER COLORS)...KNOB, CONTROL
64	4-885-146-11	(BLACK).....KNOB, CONTROL
71	4-885-167-00	(OTHER COLORS)...PANEL, CONTROL
71	4-885-167-11	(BLACK).....PANEL, CONTROL
78	4-885-176-00	(SILVER).....FRAME, SUB
78	4-885-176-11	(RED).....FRAME, SUB
78	4-885-176-41	(BLACK).....FRAME, SUB
78	4-885-176-51	(LIGHT SILVER)...FRAME, SUB
81	4-885-181-11	(SILVER).....FRAME
81	4-885-181-51	(BLACK).....FRAME
81	4-885-181-61	(RED).....FRAME
81	4-885-181-81	(LIGHT SILVER)...FRAME
139	X-4885-107-0	(SILVER).....COVER ASSY, DUST
139	X-4885-107-3	(RED).....COVER ASSY, DUST
139	X-4885-107-6	(BLACK).....COVER ASSY, DUST
139	X-4885-107-7	(LIGHT SILVER)...COVER ASSY, DUST

ACCESSORY & PACKING MATERIAL

Part No	Description
3-701-308-00	(BLACK).....LABEL, PRODUCT COLOR
3-701-309-00	(SILVER).....LABEL, PRODUCT COLOR
3-703-729-00	(LIGHT SILVER)...LABEL, PRODUCT COLOR
3-701-311-00	(RED).....LABEL, PRODUCT COLOR

MICROFILM

STEREO TURNTABLE SYSTEM

SONY®

English
83L06126-1
Printed in Japan
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9-951-050-83

Sony Corporation

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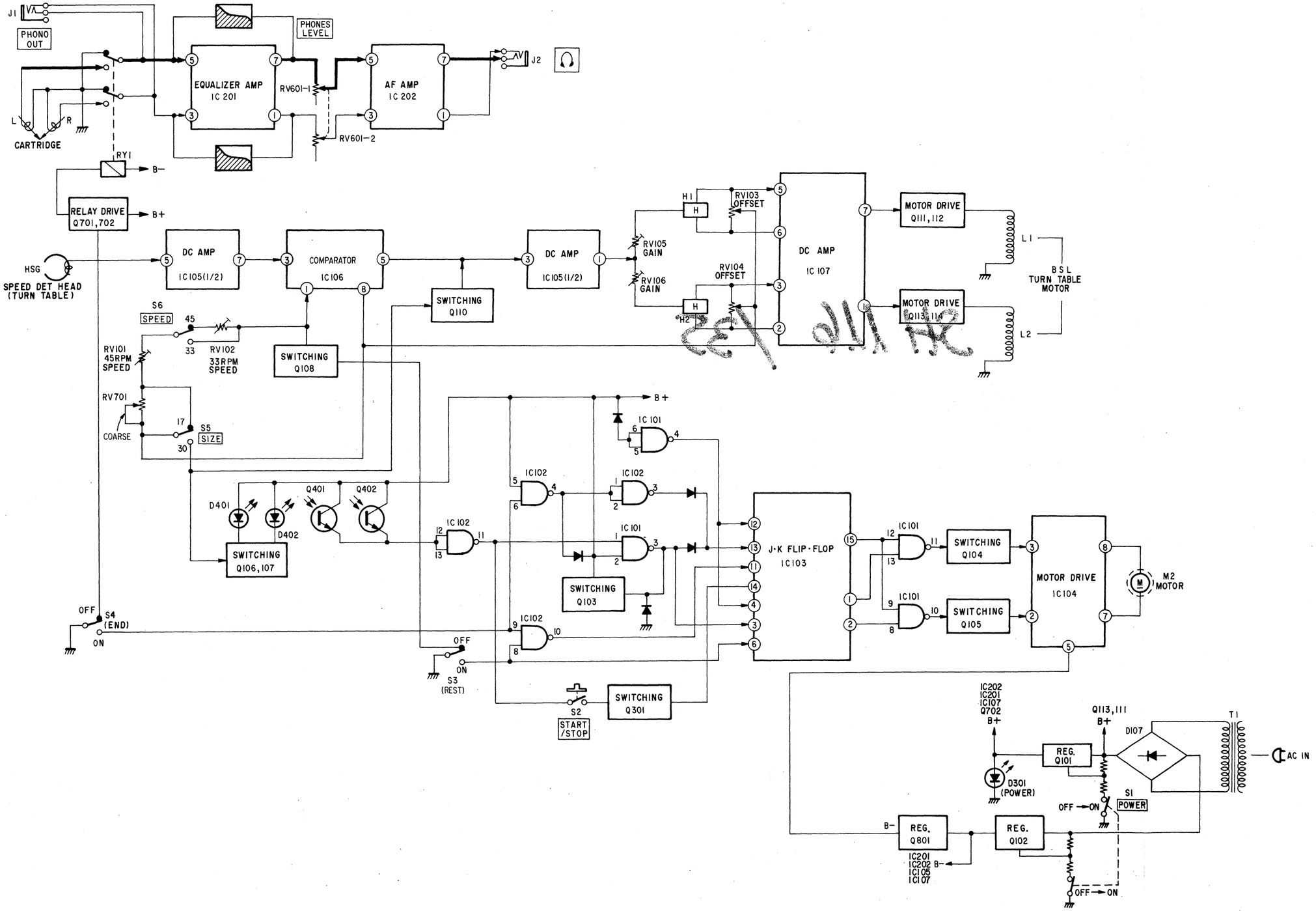
1-2. BLOCK DIAGRAM

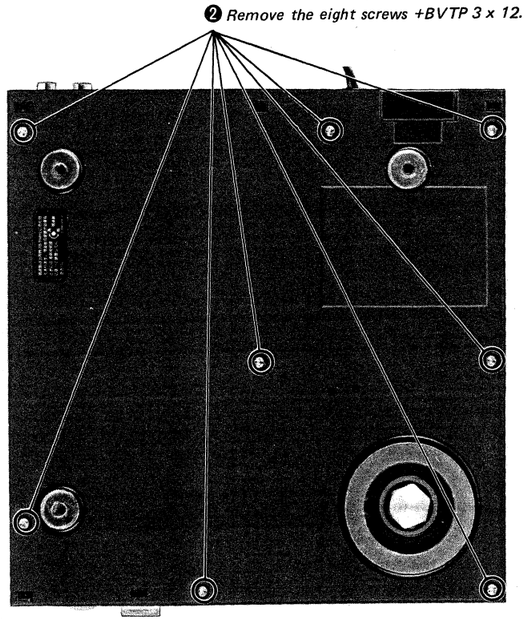


SECTION 2
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

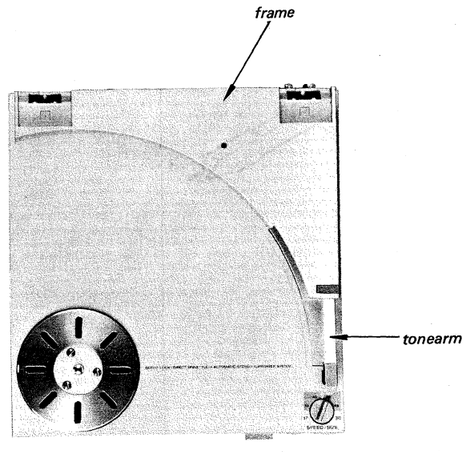
Frame

❶ *Pull off the cartridge.*
❷ *Remove the eight screws +BVTP 3 x 12.*

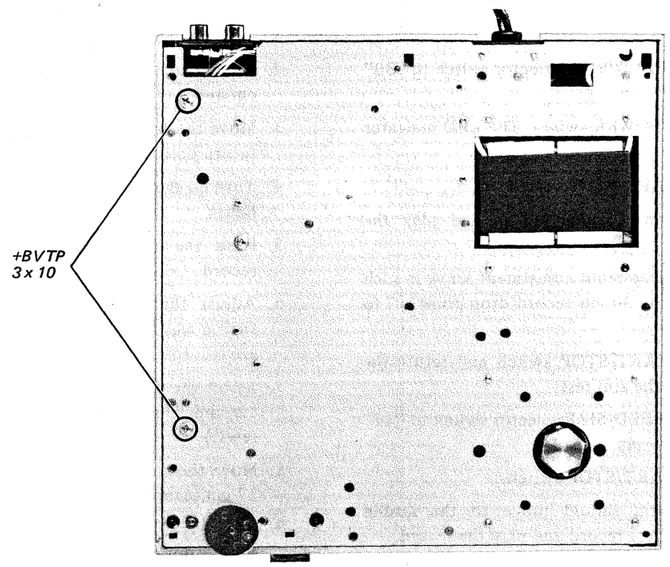


❸ *Remove the bottom cover.*

❹ *Set the player system normal position, turntable side facing top.*
❺ *Lift up the frame slowly and remove it by letting the tonearm pass through the opening in the frame.*



Subframe



SECTION 3
ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENTS

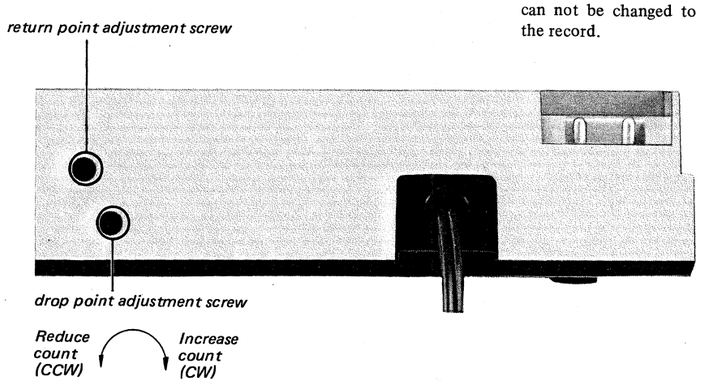
Drop Point Adjustment

1. Set the test record (YFSC-16) on the turn table.
2. Select the SPEED/SIZE selector switch to "30" cm and "33" rpm.
3. Turn on the POWER switch. The LED indicator lights.
4. Push the START/STOP switch.
5. The tone arm should lead in and play the record.
6. Adjust the drop point adjustment screw in such a way that the 30 cm record drop point is 7 to 15 counts.
7. Push the START/STOP switch and return the tone arm to the arm rest.
8. Select the SPEED/SIZE selector switch to "17" cm and "45" rpm.
9. Push the START/STOP switch.
10. The tone arm should move to the lead-in groove of 17 cm record and play the record. At this time, the 17 cm record drop point should be 6 to 24 counts. If the drop point is not in the above range, adjust the drop point adjustment screw again.
11. Select the SPEED/SIZE selector switch to "30" cm and "33" rpm again. Make sure that the 30 cm record drop point. Adjust the drop point if necessary.

Return Point Adjustment

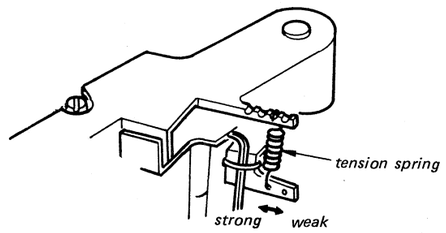
1. Put the return point adjustment record (Toshiba 8602-44, 45) on the turn table.
2. Select the SPEED/SIZE selector switch to "30" cm and "33" rpm.
3. Move the tone arm to the start position of the return point groove by hand.
4. Turn on the POWER switch. The LED indicator lights.
5. Push the START/STOP switch to play the record.
6. Adjust the return point adjustment screw in such a way that the tone arm returns at the 30 cm record return point 16±1 counts.
7. Select the SPEED/SIZE selector switch to "17" cm and "33" rpm. (The tone arm is on the arm reset.)
8. Move the tone arm to the start position of the 17 cm record return point groove by hand.
9. Push the START/STOP switch. The tone arm should down to the record groove and play the record.
10. The tone arm should stop playing the record and return to the arm rest at the 17 cm record return point 25±2 counts. Readjust the return point adjustment screw finely if necessary.
11. Select the SPEED/SIZE selector switch to "30" cm and "33" rpm. Make sure that the 30 cm record return point again.

Caution: If the record play is started under "30" cm selected by the SPEED/SIZE selector switch, the SPEED/SIZE selector switch can be changed from "30" cm to "17" cm during playing the record. However, if the record play is started under "17" cm, the SPEED/SIZE selector switch can not be changed to "30" cm during playing the record.



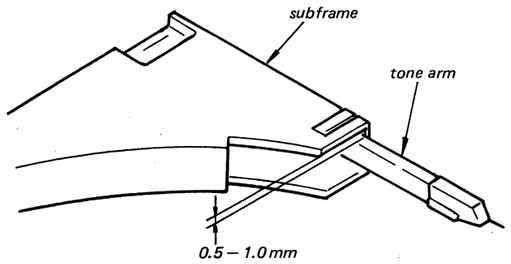
Stylus Pressure Adjustment

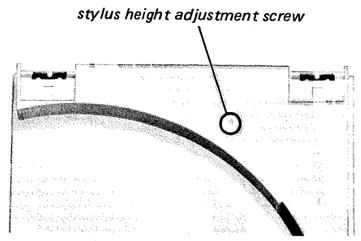
1. Turn on the POWER switch. Push the START/STOP switch to let the tone arm lead in.
2. Turn off the POWER switch.
3. Adjust the stylus pressure at the range of 1.9±3 g by changing the compression spring hooking position under the tone arm at horizontal.



Stylus Height Adjustment

1. The tone arm is on the arm rest and UP condition.
2. Adjust the clearance between the tone arm top surface and subframe inside surrace by the stylus height adjustment screw to 0.5 – 1.0 mm.
3. After the adjustment 2. make sure that the tone arm top surface does not touch with the subframe inside surface by leading in and returning the tone arm.



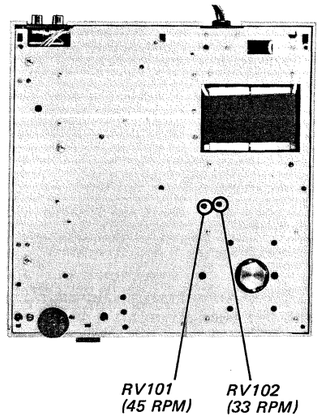


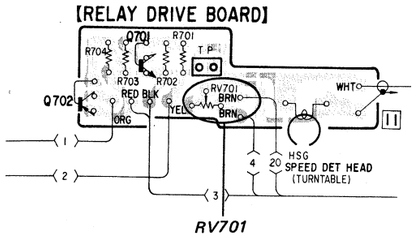
3-2. ELECTRICAL ADJUSTMENT

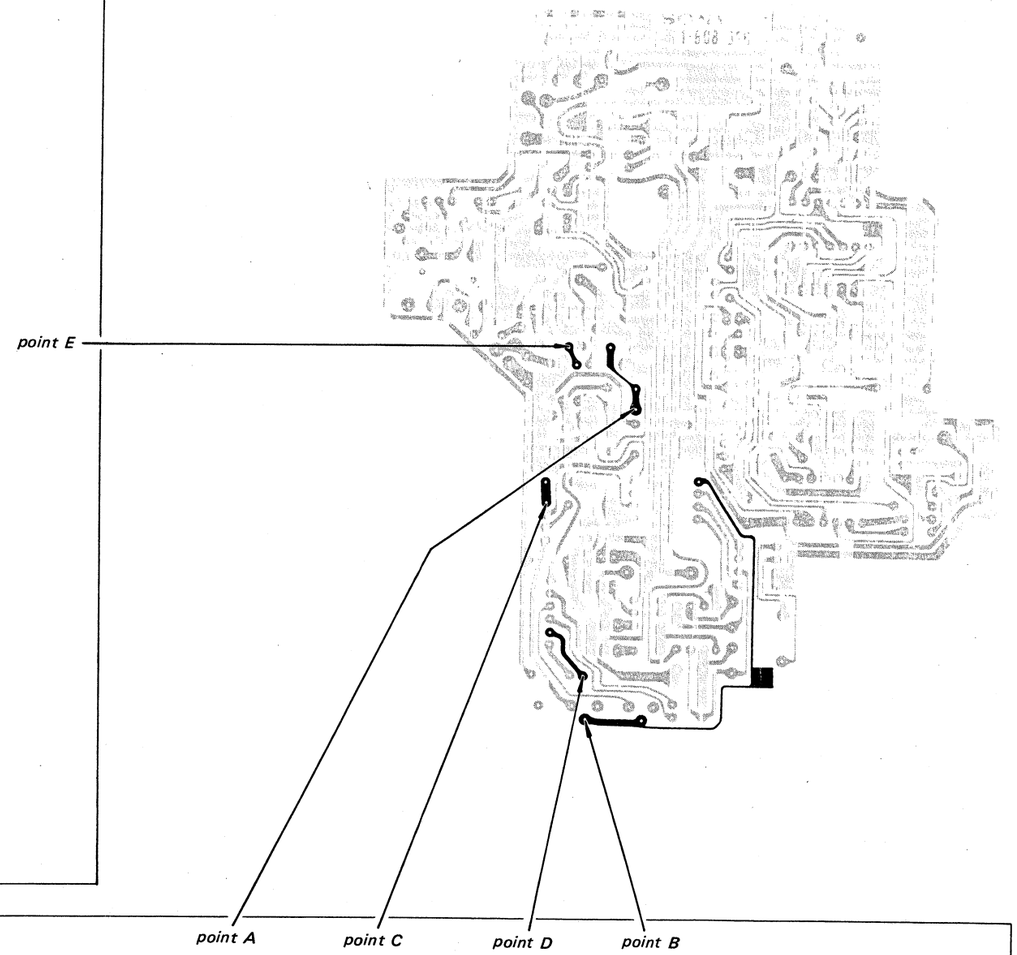
Speed Adjustment

1. Prepare the retainer block. Part no.: 4-885-128-00
2. Connect a frequency counter which has good sensitivity at low frequency to the check point E.
3. Select the SPEED/SIZE selector switch to "17" cm and "45" rpm.
4. Put a 17 cm record and the retainer block on the turn table and play the record under applying the suitable stylus pressure.
5. Adjust the potentiometer RV101 in such a way that the reading of frequency is 150.0 – 151.5 Hz.
6. Select the SPEED/SIZE selector switch to "30" cm and "45" rpm.
7. Put a 30 cm record and the retaining block on the turn table and play the record under applying the suitable stylus pressure.
8. Adjust the potentiometer RV701 in such a way that the reading of frequency is 150.0 – 151.5 Hz.
9. Select the SPEED/SIZE selector switch to "30" cm and "33" rpm. Play the record as same as 7. above.
10. Adjust the potentiometer RV102 in such a way that the reading of frequency is 110.0 – 112.0 Hz.

Note: The retaining block may be used after removing the dust cover. Refer to exploded view (page 18) and parts list (page 22).

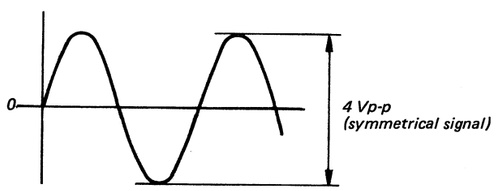


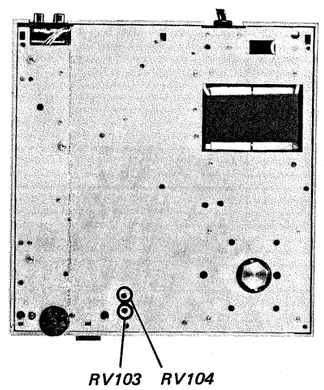


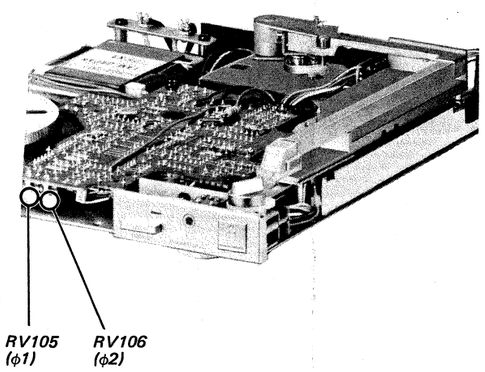


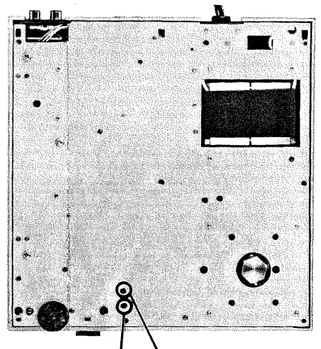
Gain and Offset Adjustment

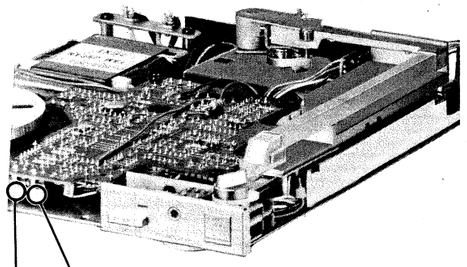
1. Select the SPEED/SIZE selector switch to "17" cm and "45" rpm under the player system is in STOP condition.
2. Apply about 0.8 VDC to the point A and adjust the DC output voltage to obtain a 1.5 VDC at the point B.
3. Adjust the potentiometers RV105 (gain adjustment) and RV103 (offset adjustment) in such a way that the output at the point C is 4 Vp-p.
4. Adjust the potentiometers RV106 (gain adjustment) and RV104 (offset adjustment) in such a way that the output at the point D is 4 Vp-p.





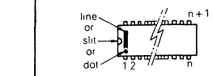






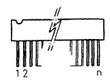
Semiconductor Lead Layouts

MB84027B
NJM2035D
NJM4560D-D
μPC4557C
μPC4558C
μPD4011BC

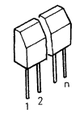


(Top view)

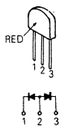
BA6208



CX-069-A

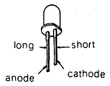


GL-9PG24

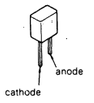


RD4, 3EB1T
RD4, 7EB2
1SS119
1SS133

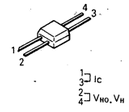
SLP135B



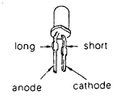
SR110



THS102



TLR124

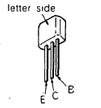


1S2268-17

2SA1015

2SB733
2SD773

2SA1175
2SC2785



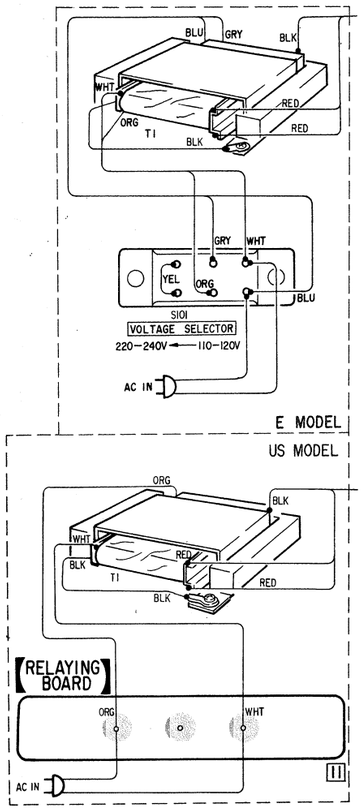
2SC536SP
2SC2458

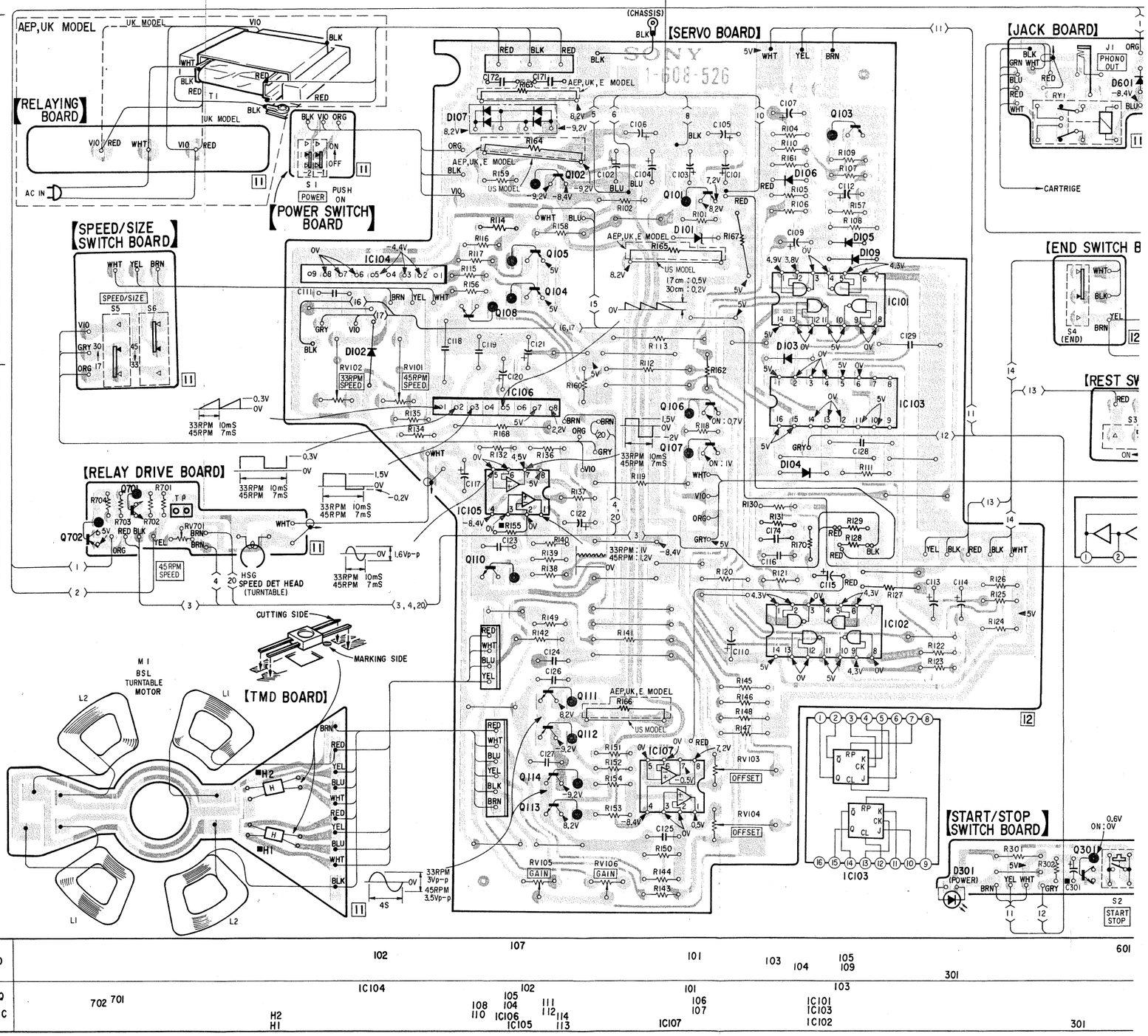
2SC710

PH103

4-1. MOUNTING DIAGRAM

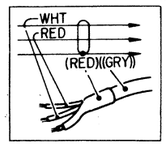
— Conductor Side —





Note:

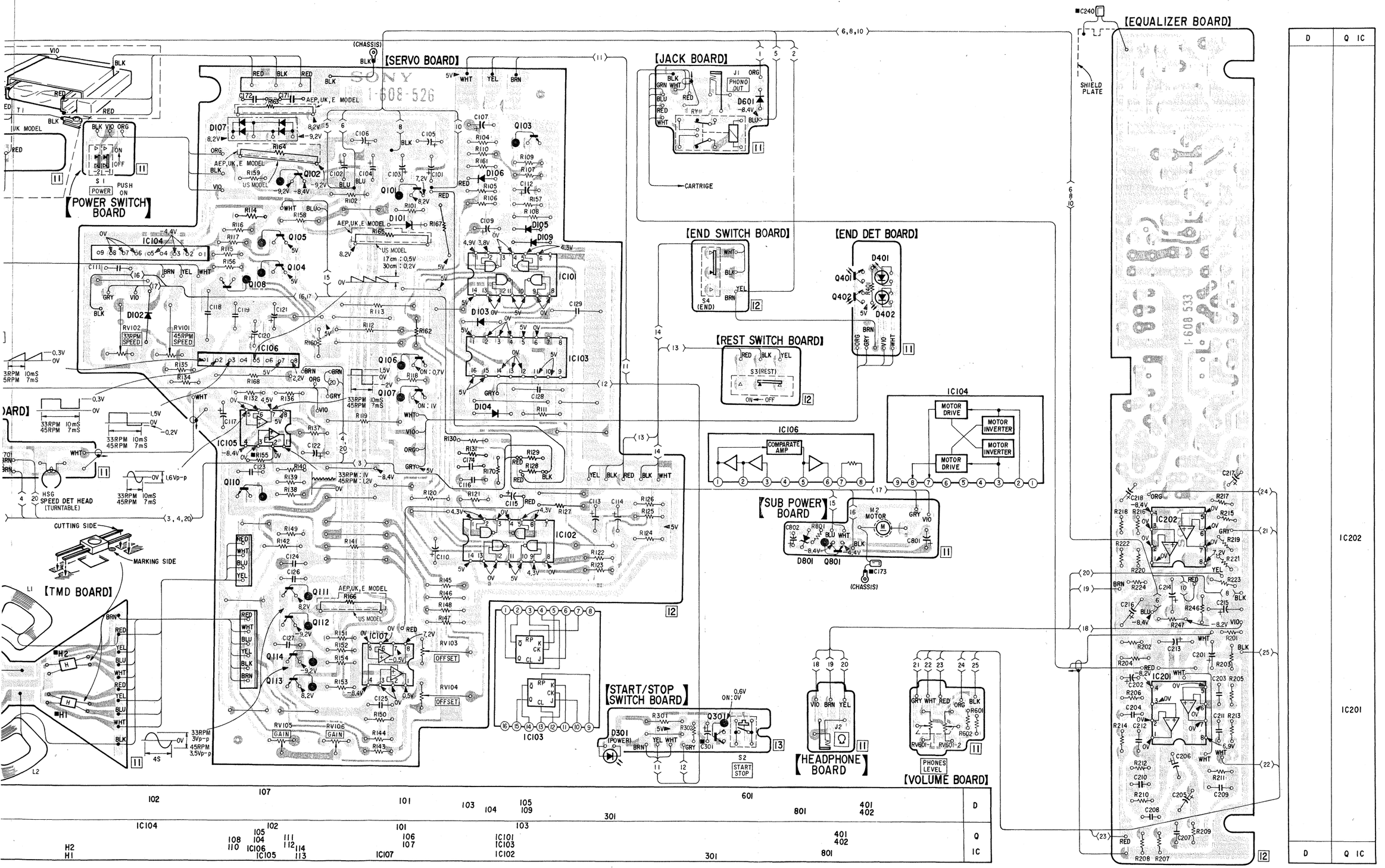
- Color code of sleeving over the end of the jacket.



- ○— : parts extracted from the component side.
- ●— : parts extracted from the conductor side.
- ■ : part mounted on the conductor side.
- ▒ : B + pattern
- ▒ : B – pattern

| | | |

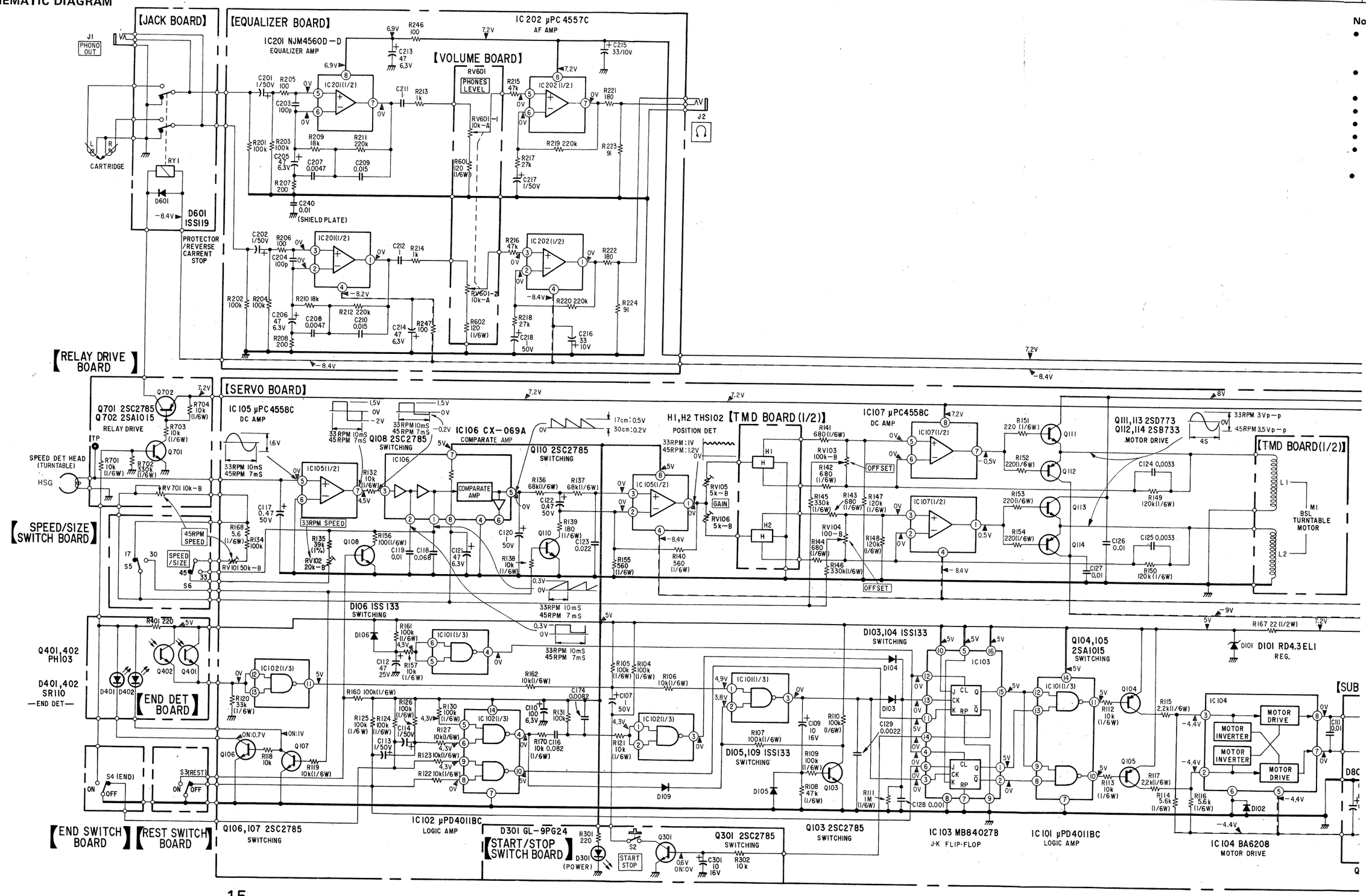
E F G H I J K L



	D	Q	IC
E	102	108 110	IC104
F	107	105 104 106 107	IC106 IC105 IC107
G	101	111 112 113 114	IC101 IC103 IC102
H	103 104 105 109		
I	301		
J	601 801	401 402	
K			
L			

	D	Q	IC
K			IC202 IC201
L			

4-2. SCHEMATIC DIAGRAM



PS-Q7

E F G H I J K L

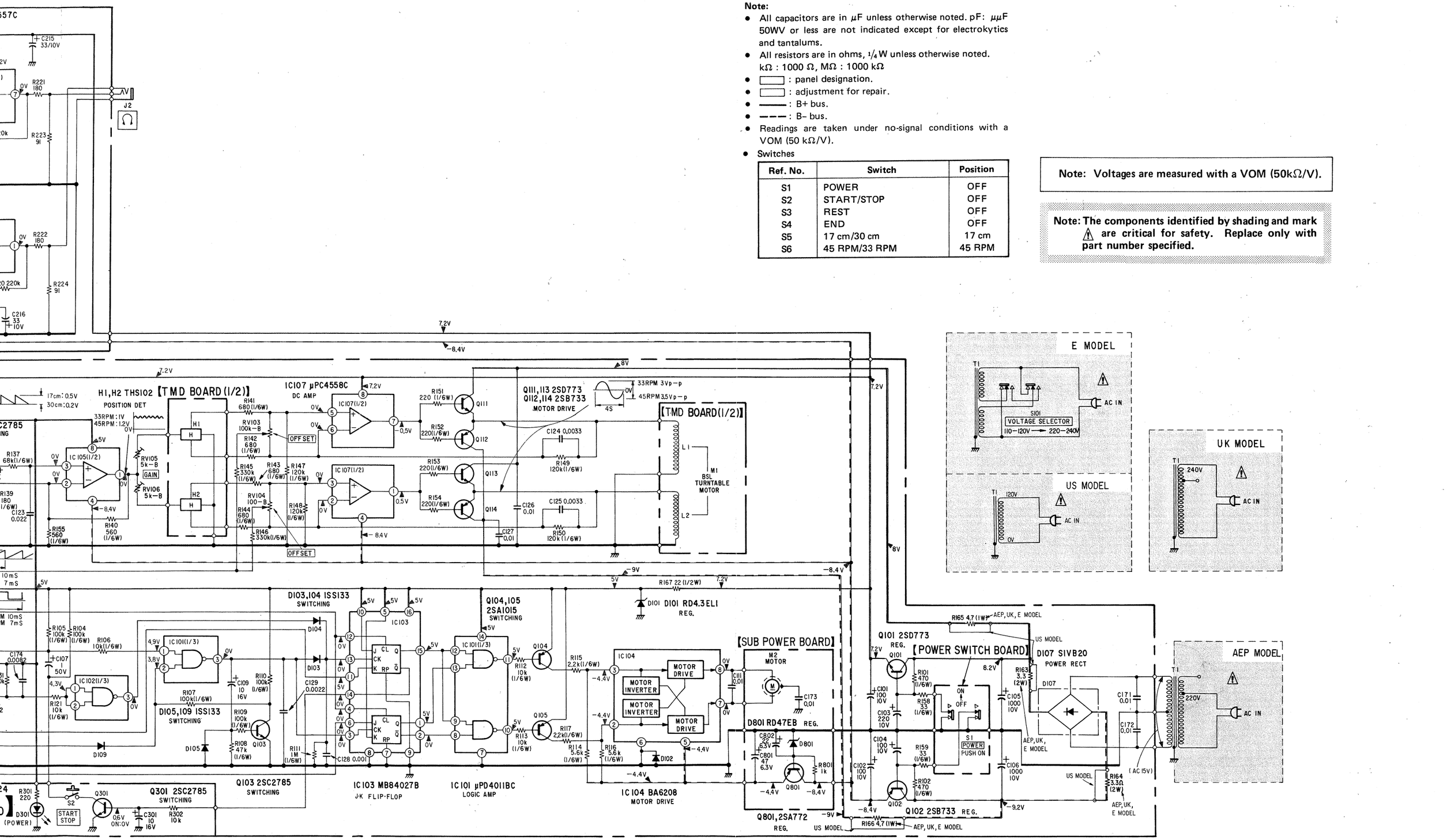
Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrokytics and tantalums.
- All resistors are in ohms, 1/4 W unless otherwise noted. kΩ : 1000 Ω, MΩ : 1000 kΩ
- ▭ : panel designation.
- ▭ : adjustment for repair.
- ——: B+ bus.
- – – –: B– bus.
- Readings are taken under no-signal conditions with a VOM (50 kΩ/V).
- Switches

Ref. No.	Switch	Position
S1	POWER	OFF
S2	START/STOP	OFF
S3	REST	OFF
S4	END	OFF
S5	17 cm/30 cm	17 cm
S6	45 RPM/33 RPM	45 RPM

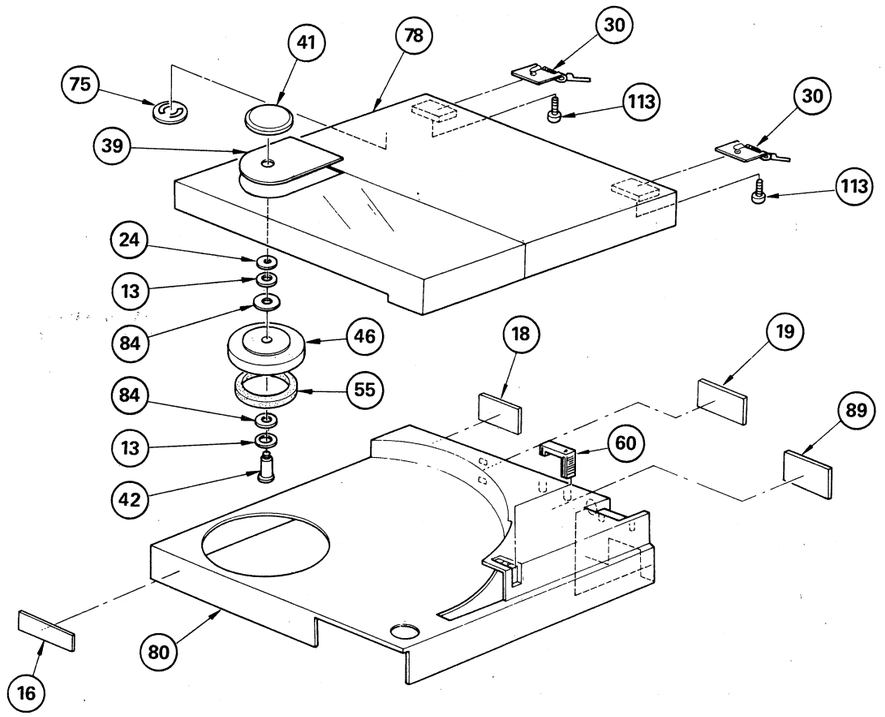
Note: Voltages are measured with a VOM (50kΩ/V).

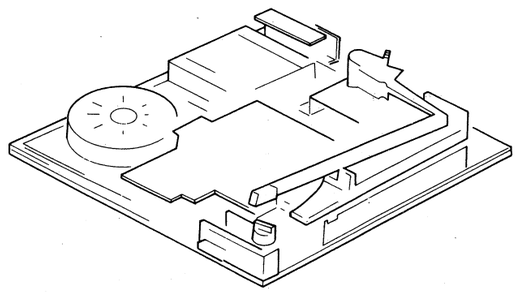
Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.



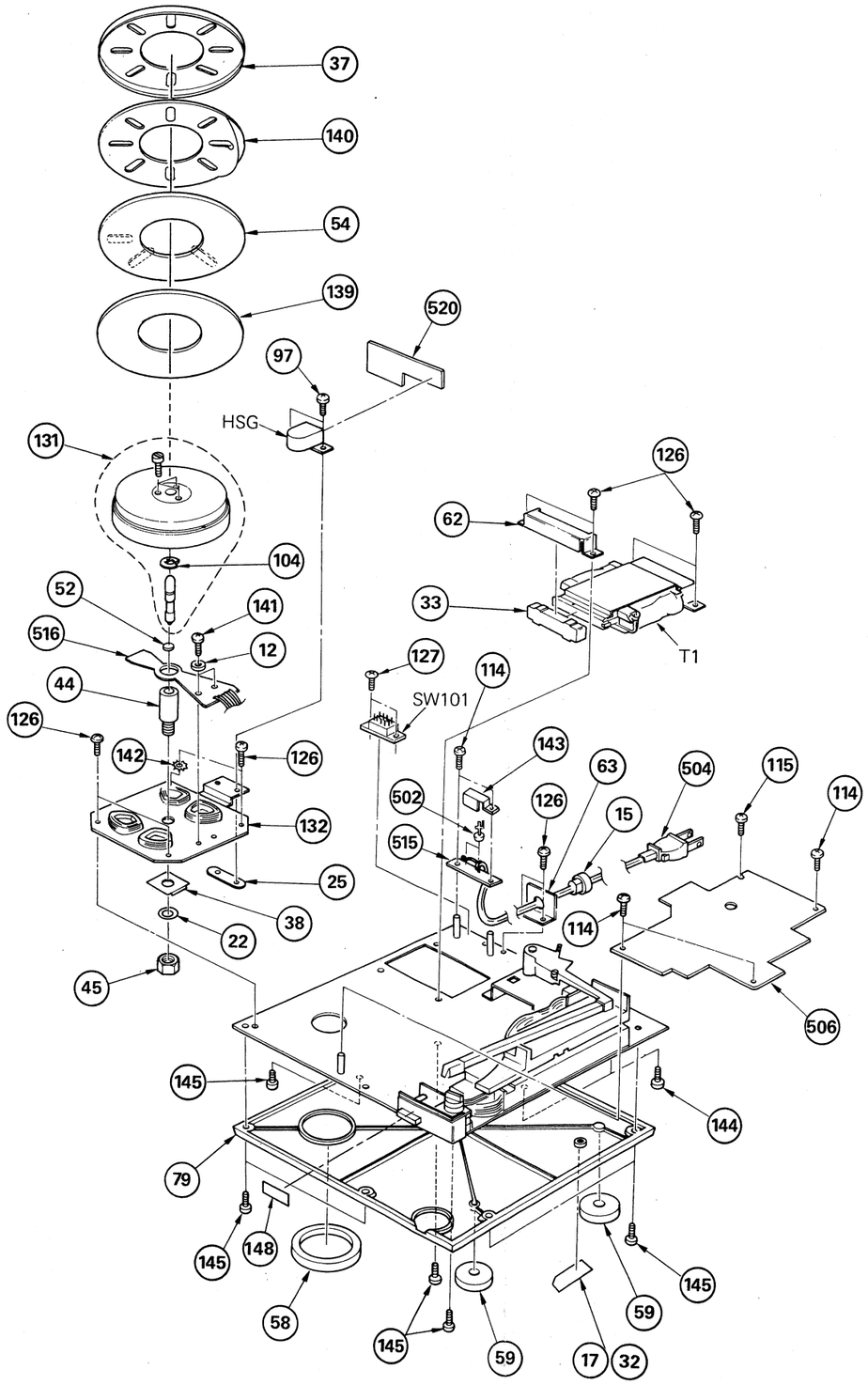
SECTION 5
EXPLODED VIEW AND PARTS LIST

(1).

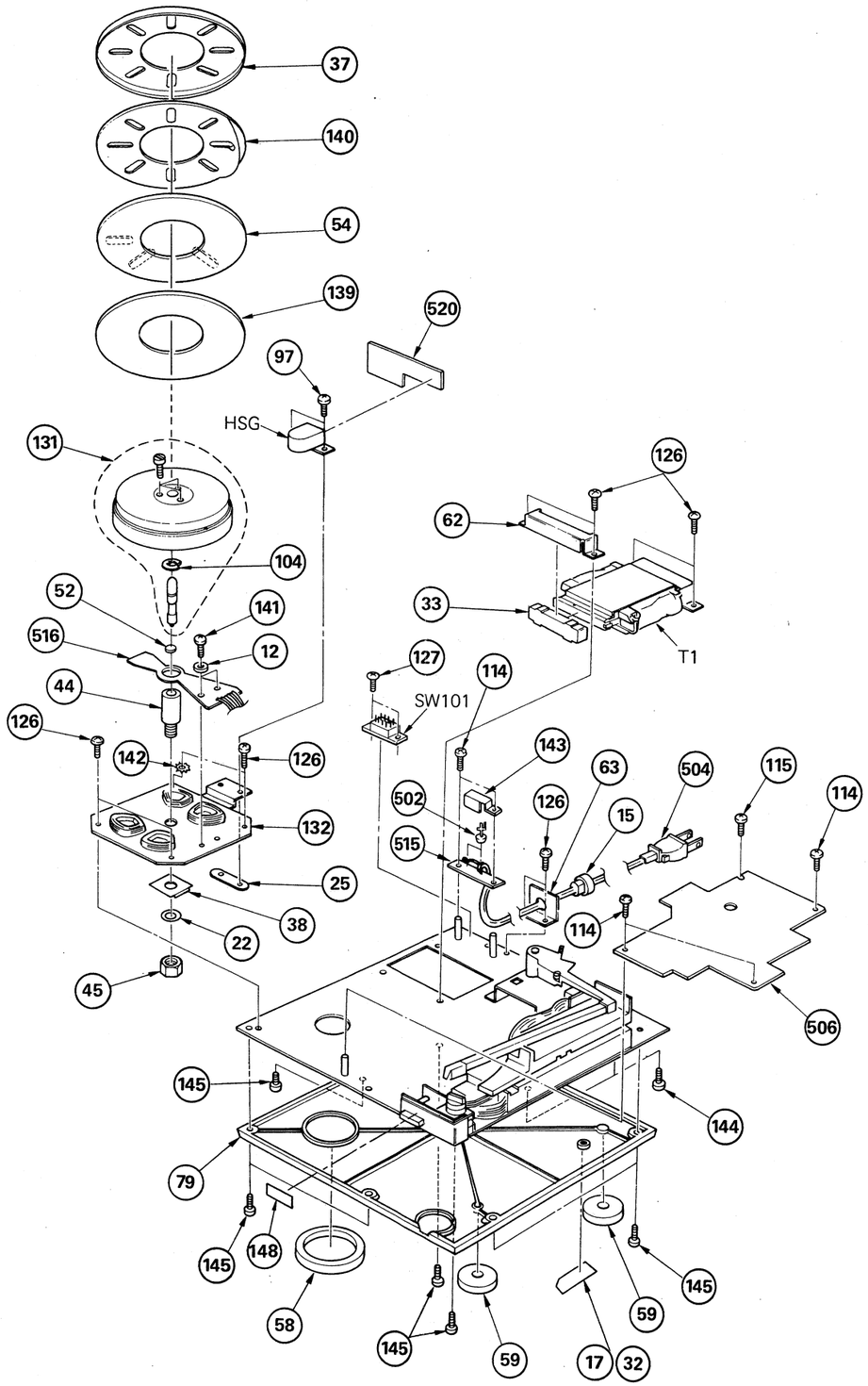




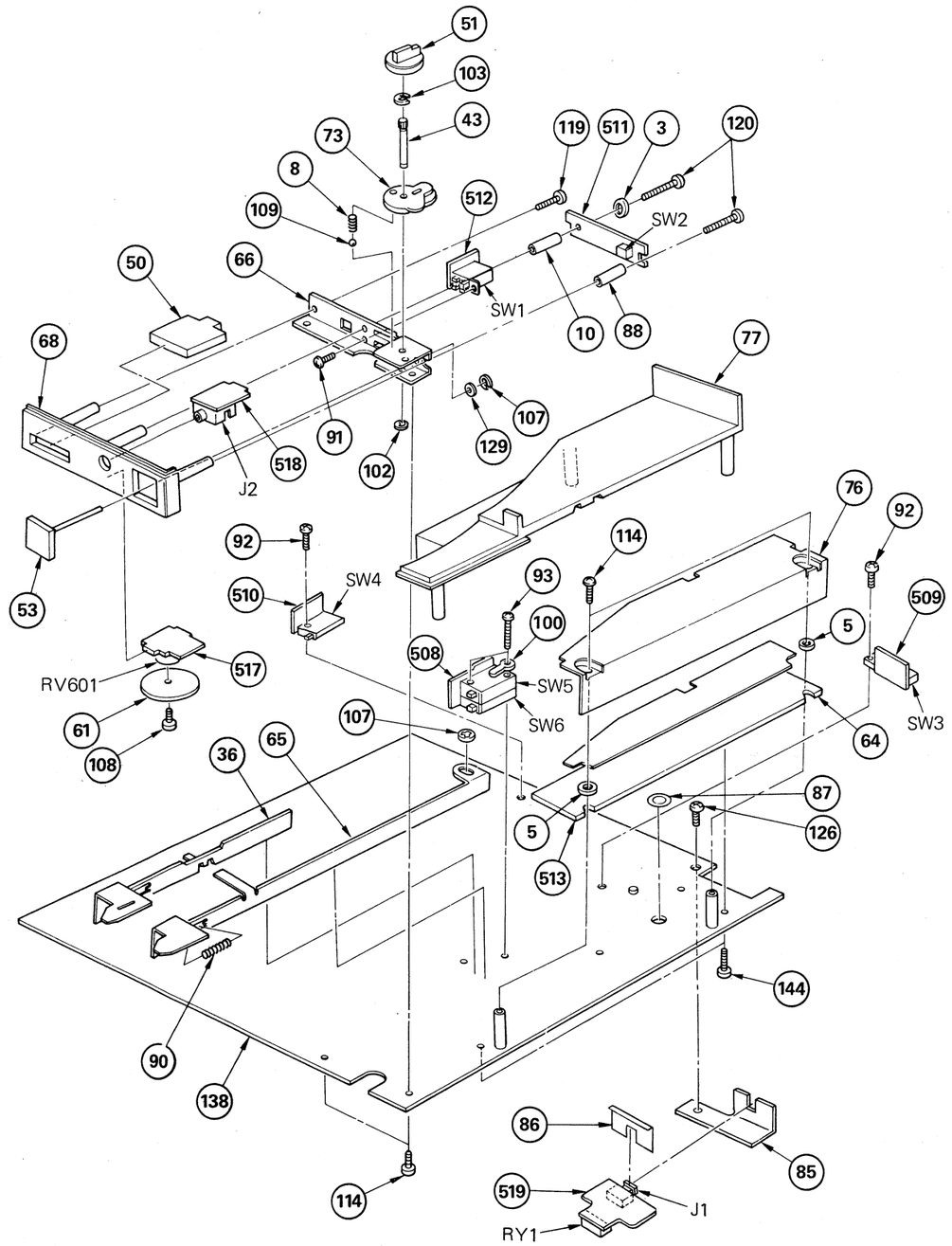
(2).



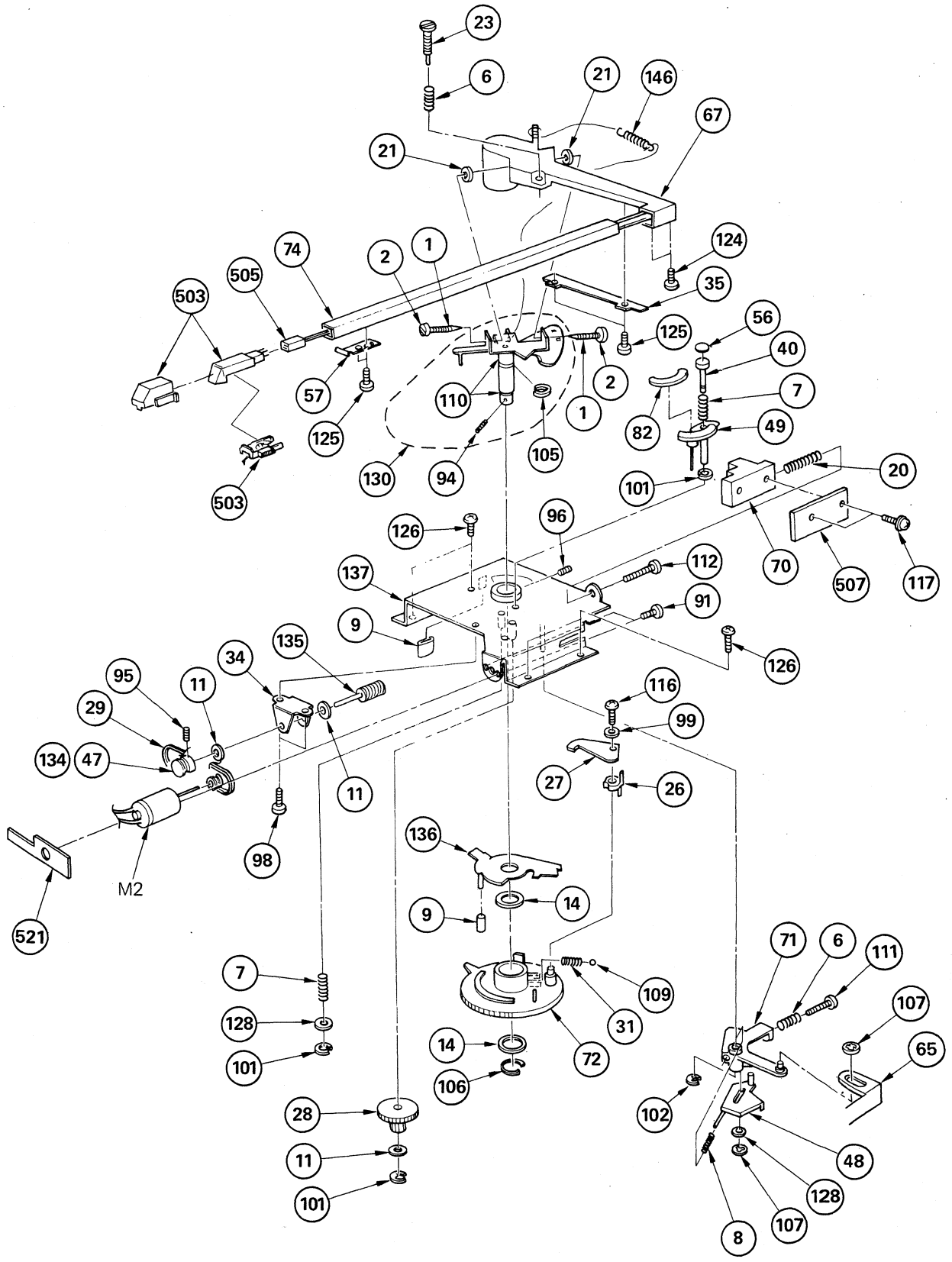
(2).


37
140
54
139
520
97
HSG
131
104
52
141
516
12
44
126
142
126
132
25
38
22
45
62
126
33
T1
127
SW101
114
143
63
504
115
114
502
126
15
515
114
506
145
144
79
145
148
58
145
59
145
59
17
32

(3).


51
103
43
73
119
511
3
120
8
512
109
SW2
50
66
SW1
10
88
68
77
91
107
129
102
518
J2
92
76
92
114
510
SW4
93
509
100
5
508
SW5
SW6
64
SW3
RV601
517
61
108
107
36
65
87
5
126
513
144
90
138
86
85
519
J1
RY1
114

(4).


23
6
21
146
67
21
74
2
1
124
505
35
503
56
125
40
57
2
110
1
82
7
125
49
105
130
94
503
20
101
126
96
70
507
117
137
112
91
9
126
135
34
95
11
29
116
99
134
47
27
26
11
98
M2
521
136
14
9
71
6
111
7
109
107
128
31
101
14
72
65
106
102
28
48
11
128
101
8
107

GENERAL SECTION

No.	Part No.	Description
1	2-203-518-61	SCREW, PIVOT
2	2-203-519-00	NUT (A), LOCK, PIVOT
3	2-229-507-00	W 2.6, PLASTIC
4	3-140-263-XX	SPRING, TENSION
5 ♦	;3-423-147-00	SPACER (DIA.6)
6	3-549-887-00	SPRING, COIL, COMPRESSION
7	3-573-150-00	SPRING, COMPRESSION
8	3-576-098-00	SPRING, COMPRESSION
9	4-885-200-00	RUBBER (S1), BRAKE
10 ♦	;3-654-056-00	SPACER (2.6X7)
11	3-701-437-21	WASHER
12	3-701-439-21	WASHER
13	3-701-443-21	WASHER, 5
14	3-701-448-21	WASHER, POLYETHYLENE
15	3-701-682-00	(E, US) ..... STOPPER, CORD
15	3-703-244-00	(AEP,UK)...BUSHING, CORD
16	3-701-690-00	(UK)....LABEL, MADE IN JAPAN
17	3-703-079-00	(UK)....LABEL, SUB-CAUTION
18	3-703-390-00	(UK)....LABEL, CAUTION
19 ♦	;3-703-677-00	(UK)....LABEL, MAIN CAUTION
20	4-861-965-00	SPRING, COMPRESSION
21	4-863-604-00	BEARING, PIVOT
22	4-870-945-00	RING (P9), O
23 ♦	;4-873-347-00	SHAFT, ADJUSTMENT, HEIGHT
24	4-874-245-00	SPACER, BEARING
25 ♦	;4-878-410-00	NUT, PLATE
26 ♦	;4-879-717-00	RESET BLOCK
27	4-879-718-00	CLUTCH, LEAD-IN
28 ♦	;4-879-727-00	GEAR
29	4-879-751-00	BELT
30	4-879-761-11	HINGE
31	4-879-762-00	SPRING, COMPRESSION
32 ♦	;4-881-683-00	(E).....LABEL, VOLTAGE
33 ♦	;4-885-101-00	RUBBER, HOLDING, TRANSFORMER
34 ♦	;4-885-103-00	SUPPORT, WORM SHAFT
35 ♦	;4-885-106-00	PLATE, LOWER, ARM
36 ♦	;4-885-108-00	LEVER, SWITCH
37	4-885-109-00	CAP, ROTOR
38	4-885-110-00	SPACER
39	4-885-111-00	PLATE, ORNAMENTAL
40	4-885-117-00	SHAFT, BRAKE
41	4-885-121-00	NUT, ORNAMENTAL
42	4-885-122-00	SHAFT, RETAINER BLOCK
43	4-885-124-00	SHAFT, KNOB
44	4-885-125-00	BEARING, MOTOR
45	4-885-126-00	NUT

GENERAL SECTION

No.	Part No.	Description
46	4-885-128-00	RETAINER BLOCK
47	4-885-130-02	PULLEY
48	4-885-131-00	PLATE, ADJUSTMENT
49	4-885-132-00	BLOCK, UP AND DOWN
50	4-885-133-00	BUTTON, POWER
51	4-885-134-00	KNOB, SELECTOR
52	4-885-135-00	RETAINER, THRUST
53	4-885-136-00	BUTTON, S/S
54	4-885-137-00	SHEET, ROTOR
55	4-885-138-00	CUSHION
56	4-885-139-00	PAD, BRAKE
57	4-885-140-00	SPRING, LEAF
58	4-885-143-00	SPACER (A), LEG
59	4-885-144-00	SPACER (B), LEG
60	4-885-145-00	PIECE, ARM LOCK
61	4-885-146-00	KNOB, CONTROL
62 ♦	;4-885-156-00	PLATE, HOLDING, TRANSFORMER
63 ♦	;4-885-158-00	(AEP,UK)...BRACKET (B), POWER CORD
63 ♦	;4-885-159-00	(E).....BRACKET (C), POWER CORD
63 ♦	;4-885-107-00	(US) ..... BRACKET (A), POWER CORD
64 ♦	;4-885-162-00	INSULATOR
65 ♦	;4-885-163-00	LEVER, SELECT
66 ♦	;4-885-164-00	BRACKET, CONTROL BLOCK
67 ♦	;4-885-166-00	JOINT, PIPE
68	4-885-167-00	PANEL, CONTROL
69	4-885-168-00	ADAPTOR, 45
70	4-885-169-00	BLOCK, END ADJUSTMENT
71	4-885-170-00	LEVER, SELECTION
72	4-885-171-00	GEAR, CAM
73	4-885-172-00	CAM, SELECTION
74	4-885-173-00	PIPE, ARM
75	4-885-174-00	HOLDER, ADAPTOR
76 ♦	;4-885-175-00	PLATE, SHIELD
77 ♦	;4-885-176-00	FRAME, SUB
78	4-885-177-00	COVER, DUST
79 ♦	;4-885-178-23	(US) ..... PLATE, BOTTOM
79 ♦	;4-885-178-00	(AEP,UK)...PLATE, BOTTOM
79 ♦	;4-885-178-11	(E).....PLATE, BOTTOM
80	4-885-181-11	FRAME
81	4-885-183-00	CUSHION (D)
82	4-885-184-00	FELT, UP AND DOWN
83	4-885-185-00	BAND, SHIELD
84	4-885-186-00	BEARING, RADIAL
85 ♦	;4-885-187-00	PLATE (B), JACK

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked " ♦ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

CAPACITORS:
- All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers. MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- F : nonflammable

SEMICONDUCTORS
In each case, U : μ, for example:
UA···: μA···, UPA···: μPA···, UPC···: μPC, UPD···: μPD···

COILS
- MMH : mH, UH : μH

GENERAL SECTION

No.	Part No.	Description
86 ♦	;4-885-188-00	PLATE (A), JACK
87	4-885-198-00	WASHER, FIBER
88	4-885-199-00	WASHER
89	4-885-201-00	(AEP)...LABEL, MODEL NUMBER
89	4-885-202-00	(UK)....LABEL, MODEL NUMBER
89	4-885-203-00	(E).....LABEL, MODEL NUMBER
89	4-885-207-00	(US)..... LABEL, MODEL NUMBER
90	4-885-761-00	SPRING, COMPRESSION
91	7-621-255-25	SCREW +P 2X4
92	7-621-259-55	SCREW +P 2.6X8
93	7-621-260-05	SCREW +P 2.6X16
94	7-621-712-17	SET-SCREW, SLOT 2.6X2 CUP POINT
95	7-621-732-08	SET-SCT, HEX. 2X3 FLAT POINT
96	7-621-734-09	SET-SCT, HEX. 2.6X3
97	7-621-772-10	SCREW +B 2X4
98	7-621-775-10	SCREW +B 2.6X4
99	7-623-105-12	W 2, MIDDLE
100	7-623-507-01	LUG, 2.6
101	7-624-102-04	STOP RING 1.5, TYPE -E
102	7-624-104-04	STOP RING 2.0, TYPE -E
103	7-624-105-04	STOP RING 2.3, TYPE -E
104	7-624-109-04	STOP RING 5.0, TYPE -E
105	7-624-133-44	STOP RING 9, TYPE-CE
106	7-624-133-74	STOP RING 12, TYPE-CE
107	7-624-190-81	STOP RING 2, TYPE-CS
108	7-627-450-78	SCREW, PRECISION +K 1.7X4
109	7-671-113-01	STEEL, BALL 3
110	7-671-151-01	STAINLESS, BALL 1/16INCH
111	4-885-204-00	SCREW, OVAL POINT
112	7-682-151-01	SCREW +P 3X14
113	7-682-546-04	SCREW +B 3X5
114	7-682-546-09	SCREW +B 3X5
115	7-682-947-01	SCREW +PSW 3X6
116	7-685-102-21	SCREW +P 2X4 TYPE2 SLIT
117	7-685-104-11	SCREW +P 2X6 TYPE2 NON-SLIT
118	7-685-104-21	SCREW +P 2X6 TYPE2 SLIT
119	7-685-134-11	SCREW +P 2.6X8 TYPE2 NON-SLIT
120	7-685-138-11	SCREW +P 2.6X16 TYPE2 NON-SLIT
121	7-685-647-14	(AEP)...SCREW +BVTP 3X10 TYPE2 N-S
122	7-685-647-71	SCREW +BVTP 3X10 TYPE2 SLIT
123	7-685-647-79	(UK,E)...SCREW +BVTP 3X10 TYPE 2 SLIT
124	7-685-780-01	SCREW +PTT 2X3 (S)
125	7-685-799-04	SCREW +PTT 1.7X2.5
126	7-685-870-01	SCREW +BVTT 3X5 (S)
127	7-685-871-09	(E)...SCREW +BVTT 3X6
128	7-688-001-01	W 2, SMALL

GENERAL SECTION

No.	Part No.	Description
129	7-688-001-11	W 2, MIDDLE
130	A-4607-016-A	ROTARY BLOCK ASSY
131	A-4608-221-A	ROTOR ASSY
132	A-4608-226-A	FRAME SUB ASSY, MOTOR
133	.....	
134	X-3570-020-8	PULLEY ASSY, MOTOR
135 ♦	;X-4879-712-0	WORM ASSY
136 ♦	;X-4885-101-0	PLATE ASSY, LEAD-IN
137 ♦	;X-4885-103-0	CHASSIS ASSY, SUB
138 ♦	;X-4885-105-0	(AEP,UK)...CHASSIS ASSY (1)
138 ♦	;X-4885-106-0	(E,US).....CHASSIS ASSY (2)
139	4-885-148-00	SHEET, ADHESIVE
140	4-885-149-00	SHEET, ADHESIVE
141	7-682-145-13	SCREW, +P 3X4
142	7-623-422-00	W3, EXTERNAL LOCK
143	4-885-197-00	PROTECTOR, TERMINAL
144	7-685-647-11	SCREW +BVTP 3X10 TYPE2 NON-SLIT
145	7-685-648-19	SCREW +BVTP 3X12 TYPE2 NON-SLIT
146	4-885-182-00	SPRING, COIL
147	4-885-133-11	SCREW +PTP 2.6X6 NON-SLIT
148	4-885-213-00	LABEL, STAND BY
149	3-703-677-00	(US)..... LABEL, MAIN CAUTION

ACCESSORY & PACKING MATERIAL

No.	Part No.	Description
201	1-555-658-00	CORD, CONNECTION (RK-129)
202	3-701-630-00	BAG, POLYETHYLENE
203	3-703-165-00	(UK)....LABEL, UK
204	3-703-507-00	(UK)....LABEL, GUARANTEE
205	3-773-115-11	(AEP,UK,E)...MANUAL, INSTRUCTION; ENGLISH
206	3-773-115-41	(AEP)...MANUAL, INSTRUCTION; DUTCH/SWEDISH
207	3-848-514-00	BAG, PROTECTION
208	4-885-190-00	STOPPER, TONEARM
209	4-885-191-00	SPACER, TURNTABLE
210	4-885-192-00	SHEET, PROTECTION
211	4-885-193-00	SHEET, PROTECTION
212	4-885-205-00	CUSHION (FRONT)
213	4-885-206-00	CUSHION (REAR)
214	4-885 209-00	CARTON
215	3-773-115-21	(US)..... MANUAL, INSTRUCTION
216	4-885-212-00	SPACER, TURNTABLE
217	4-885-197-00	PROTECTOR

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- Items marked " ♦ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

CAPACITORS:
- All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers. MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- F : nonflammable

SEMICONDUCTORS
In each case, U : μ, for example:
UA···: μA···, UPA···: μPA···, UPC···: μPC, UPD···: μPD···

COILS
- MMH : mH, UH : μH

ELECTRICAL PARTS

Ref.No.	Part No.	Description
501	♦;1-508-800-13	U TYPE BASE POST 3P
502	♦;1-535-416-00	(AEP,UK)...TERMINAL
503	1-549-113-00	CARTRIDGE
504	⚠.1-551-472-00	(E).....CORD, POWER
504	⚠.1-551-884-00	(UK)....CORD, POWER
504	⚠.1-551-908-00	(AEP)...CORD, POWER
504	⚠.1-555-743-21	(E1)....CORD, POWER
504	⚠ 1-551-506-XX	(US)..... CORD, POWER
505	1-556-504-00	CONNECTOR, PLUG IN TYPE
506	♦;1-608-526-00	PC BOARD, SERVO SYSTEM CONTROL
507	♦;1-608-527-00	PC BOARD, END DETECT
508	♦;1-608-528-00	PC BOARD, SPEED SIZE
509	♦;1-608-529-00	PC BOARD, REST SW
510	♦;1-608-530-00	PC BOARD, END SW
511	♦;1-608-531-00	PC BOARD, START STOP SW
512	♦;1-608-532-00	PC BOARD, POWER SW
513	♦;1-608-533-00	PC BOARD, EQUALIZER
♦515	⚠.;1-608-536-00	PC BOARD, PRIMARY RELAYING
516	♦;1-608-537-00	PC BOARD, TMD
517	♦;1-608-538-00	PC BOARD, VOLUME
518	♦;1-608-539-00	PC BOARD, HEADPHONE
519	♦;1-608-853-12	PC BOARD, JACK
520	♦;1-608-854-12	PC BOARD, RELAY DRIVE
521	♦;1-609-329-00	PC BOARD, SUB POWER SUPPLY
522	♦;A-4619-194-A	MOUNTED PCB, SERVO
523	♦;A-4646-132-A	MOUNTED PCB, EQUALIZER
C118	1-130-881-00	FILM 0.068MF 5% 50V
C126	1-108-579-00	CAP, PE TEREPHTHALATE 0.01MF 5% 50V
C127	1-108-579-00	CAP, PE TEREPHTHALATE 0.01MF 5% 50V
C209	1-130-622-00	FILM 0.015MF 5% 50V
C210	1-130-622-00	FILM 0.015MF 5% 50V
C211	1-131-418-00	ELECT(SOLID) 1MF 20% 10V
C212	1-131-418-00	ELECT(SOLID) 1MF 20% 10V
♦CNP101	;1-560-603-00	PIN, CONNECTOR 4P
♦CNP102	;1-560-605-00	PIN, CONNECTOR 6P
♦CNP701	;1-560-200-00	BASE POST, MCD CONNECTOR 2P
D101	8-719-150-16	DIODE RD4.3EB1T
D102	8-719-150-16	DIODE RD4.3EB1T
D103	8-719-901-33	DIODE 1SS133
D104	8-719-901-33	DIODE 1SS133
D105	8-719-901-33	DIODE 1SS133
D106	8-719-901-33	DIODE 1SS133
D107⚠	.8-719-511-20	DIODE S1VB20
D109	8-719-901-33	DIODE 1SS133
D301	8-719-903-15	DIODE GL-9PG24
D401	8-719-101-11	DIODE SR110
D402	8-719-101-11	DIODE SR110
D601	8-719-911-19	DIODE 1SS119

ELECTRICAL PARTS

Ref.No.	Part No.	Description
H1	8-719-814-11	DIODE THS102
H2	8-719-814-11	DIODE THS102
HSG	1-543-093-00	HEAD
IC101	8-759-140-11	IC UPD4011BC
IC102	8-759-140-11	IC UPD4011BC
IC103	8-759-984-27	IC MB84027B
IC104	8-759-962-08	IC BA6208
IC105	8-759-145-58	IC UPC4558C
IC106	8-759-600-69	IC CX-069A
IC107	8-759-145-58	IC UPC4558C
IC201	8-759-745-61	IC NJM4560D-D
IC202	8-759-145-57	IC UPC4557C
J1	1-507-688-41	JACK (STEREO PLUG)
J2	1-507-812-00	JACK
M2	1-541-217-00	MOTOR
Q101	8-760-335-10	TRANSISTOR 2SC1474
Q102	8-729-113-32	TRANSISTOR 2SB733
Q103	8-729-178-54	TRANSISTOR 2SC2785
Q104	8-729-201-52	TRANSISTOR 2SA1015
Q105	8-729-201-52	TRANSISTOR 2SA1015
Q106	8-729-178-54	TRANSISTOR 2SC2785
Q107	8-729-178-54	TRANSISTOR 2SC2785
Q108	8-729-178-54	TRANSISTOR 2SC2785
Q110	8-729-178-54	TRANSISTOR 2SC2785
Q111	8-729-178-54	TRANSISTOR 2SC2785
Q112	8-729-201-52	TRANSISTOR 2SA1015
Q113	8-729-178-54	TRANSISTOR 2SC2785
Q114	8-729-201-52	TRANSISTOR 2SA1015
Q201	8-729-178-54	TRANSISTOR 2SC2785
Q401	8-729-101-13	TRANSISTOR PH103-L
Q402	8-729-101-13	TRANSISTOR PH103-L
Q701	8-729-178-54	TRANSISTOR 2SC2785
Q702	8-729-201-52	TRANSISTOR 2SA1015
R101	1-247-823-00	CARBON 470 5% 1/6W
R102	1-247-823-00	CARBON 470 5% 1/6W
R104	1-247-879-00	CARBON 100K 5% 1/6W
R105	1-247-879-00	CARBON 100K 5% 1/6W
R106	1-247-855-00	CARBON 10K 5% 1/6W
R107	1-247-879-00	CARBON 100K 5% 1/6W
R108	1-247-871-00	CARBON 47K 5% 1/6W
R109	1-247-879-00	CARBON 100K 5% 1/6W
R110	1-247-879-00	CARBON 100K 5% 1/6W
R111	1-247-903-00	CARBON 1M 5% 1/6W
R112	1-247-855-00	CARBON 10K 5% 1/6W
R113	1-247-855-00	CARBON 10K 5% 1/6W

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked " ♦ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

CAPACITORS:
- All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers. MF:μF, PF:μμF.

RESISTORS
- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- F : nonflammable

COILS
- MMH : mH, UH : μH

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

SEMICONDUCTORS
In each case, U : μ, for example:
UA···: μA···, UPA···: μPA···, UPC···: μPC, UPD···: μPD···

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R114	1-247-849-00	CARBON	5.6K	5%	1/6W
R115	1-247-839-00	CARBON	2.2K	5%	1/6W
R116	1-247-849-00	CARBON	5.6K	5%	1/6W
R117	1-247-839-00	CARBON	2.2K	5%	1/6W
R118	1-247-855-00	CARBON	10K	5%	1/6W
R119	1-247-855-00	CARBON	10K	5%	1/6W
R120	1-247-867-00	CARBON	33K	5%	1/6W
R121	1-247-855-00	CARBON	10K	5%	1/6W
R122	1-247-855-00	CARBON	10K	5%	1/6W
R123	1-247-855-00	CARBON	10K	5%	1/6W
R124	1-247-879-00	CARBON	100K	5%	1/6W
R125	1-247-879-00	CARBON	100K	5%	1/6W
R126	1-247-879-00	CARBON	100K	5%	1/6W
R127	1-247-855-00	CARBON	10K	5%	1/6W
R130	1-247-879-00	CARBON	100K	5%	1/6W
R131	1-247-879-00	CARBON	100K	5%	1/6W
R132	1-247-855-00	CARBON	10K	5%	1/6W
R134	1-214-180-00	METAL	100K	1%	1/4W
R135	1-214-170-00	METAL	39K	1%	1/4W
R136	1-247-875-00	CARBON	68K	5%	1/6W
R137	1-247-875-00	CARBON	68K	5%	1/6W
R138	1-247-855-00	CARBON	10K	5%	1/6W
R139	1-247-813-00	CARBON	180	5%	1/6W
R140	1-247-825-00	CARBON	560	5%	1/6W
R141	1-247-827-00	CARBON	680	5%	1/6W
R142	1-247-827-00	CARBON	680	5%	1/6W
R143	1-247-827-00	CARBON	680	5%	1/6W
R144	1-247-827-00	CARBON	680	5%	1/6W
R145	1-247-891-00	CARBON	330K	5%	1/6W
R146	1-247-891-00	CARBON	330K	5%	1/6W
R147	1-247-881-00	CARBON	120K	5%	1/6W
R148	1-247-881-00	CARBON	120K	5%	1/6W
R149	1-247-881-00	CARBON	120K	5%	1/6W
R150	1-247-881-00	CARBON	120K	5%	1/6W
R151	1-247-815-00	CARBON	220	5%	1/6W
R152	1-247-815-00	CARBON	220	5%	1/6W
R153	1-247-815-00	CARBON	220	5%	1/6W
R154	1-247-815-00	CARBON	220	5%	1/6W
R155	1-247-825-00	CARBON	560	5%	1/6W
R156	1-247-807-00	CARBON	100	5%	1/6W
R157	1-247-855-00	CARBON	10K	5%	1/6W
R158	1-247-795-00	CARBON	33	5%	1/6W
R159	1-247-795-00	CARBON	33	5%	1/6W
R160	1-247-879-00	CARBON	100K	5%	1/6W
R161	1-247-879-00	CARBON	100K	5%	1/6W

ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R162	1-247-855-00	CARBON	10K	5%	1/6W	
R163 ⚠	1-206-451-00	(AEP,UK,E)...METAL	3.3	5%	2W	F
R164 ⚠	1-206-451-00	(AEP,UK,E)...METAL	3.3	5%	2W	F
R165 ⚠	1-212-368-00	(AEP,UK,E)...METAL	4.7	5%	1W	F
R166 ⚠	1-212-368-00	(AEP,UK,E)...METAL	4.7	5%	1W	F
R167	1-244-833-00	CARBON	22	5%	1/2W	
R168	1-247-849-00	CARBON	5.6K	5%	1/6W	
R170	1-247-855-00	CARBON	10K	5%	1/6W	
R302	1-247-855-00	CARBON	10K	5%	1/6W	
R601	1-247-809-00	CARBON	120	5%	1/6W	
R602	1-247-809-00	CARBON	120	5%	1/6W	
R701	1-247-855-00	CARBON	10K	5%	1/6W	
R702	1-247-891-00	CARBON	330K	5%	1/6W	
R703	1-247-855-00	CARBON	10K	5%	1/6W	
R704	1-247-855-00	CARBON	10K	5%	1/6W	
RV101	1-228-239-00	RES, ADJ, METAL GLAZE 50K				
RV102	1-226-237-00	RES, ADJ, CARBON 20K				
RV103	1-226-239-00	RES, ADJ, CARBON 100K				
RV104	1-226-239-00	RES, ADJ, CARBON 100K				
RV105	1-226-430-00	RES, ADJ, CARBON 5K				
RV106	1-226-430-00	RES, ADJ, CARBON 5K				
RV601	1-228-169-00	RES, VAR, CARBON 10K/10K				
RV701	1-226-431-00	RES, ADJ, CARBON 10K				
RY1	1-515-495-00	RELAY				
SW1	1-553-909-00	SWITCH, PUSH				
SW2	1-553-856-00	SWITCH, KEY BOARD				
SW3	1-552-532-00	SWITCH, PUSH				
SW4	1-552-532-00	SWITCH, PUSH				
SW5	1-552-532-00	SWITCH, PUSH				
SW6	1-552-532-00	SWITCH, PUSH				
SW101 ⚠	1-552-535-00	(E)...SWITCH, SLIDE				
T1 ⚠	1-447-437-00	(E).....TRANSFORMER, POWER				
T1 ⚠	1-447-438-00	(AEP,UK)...TRANSFORMER, POWER				
T1 ⚠	1-447-435-00	(US).....TRANSFORMER, POWER				

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COILS
- MMH : mH, UH : μH

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

SEMICONDUCTORS
In each case, U : μ, for example:
UA···: μA···, UPA···: μPA···, UPC···: μPC, UPD···: μPD···

ELECTROLYTIC CAPACITORS

RATING → : Use the high voltage rated one.

CAP. (μF)	6.3 VOLT.	10 VOLT.	16 VOLT.	25 VOLT.	35 VOLT.	50 VOLT.
	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.
0.47					→	1-121-726-00
1.0					→	1-121-391-00
2.2					→	1-121-450-00
3.3	→	→	→	1-121-392-00	→	1-121-393-00
4.7	→	→	→	1-121-395-00	→	1-121-396-00
10	→	→	1-121-651-00	1-121-398-00	→	1-121-738-00
22	→	→	1-121-479-00	1-121-480-00	1-121-662-00	1-121-152-00
33	→	→	1-121-403-00	1-121-404-00	1-121-652-00	1-121-405-00
47	→	1-121-352-00	1-121-409-00	1-121-410-00	1-121-653-00	1-121-411-00
100	→	1-121-414-00	1-121-415-00	1-121-416-00	1-121-357-00	1-121-417-00
220	1-121-419-00	1-121-420-00	1-121-421-00	1-121-422-00	1-121-261-00	1-121-423-00
330	1-121-751-00	1-121-805-00	1-121-521-00	1-121-654-00	1-121-655-00	1-121-656-00
470	1-121-424-00	1-121-425-00	1-121-426-00	1-121-733-00	1-121-361-00	1-121-810-00
1000	–	1-121-736-00	1-121-245-00	1-121-657-00	1-121-388-00	1-123-061-00
2200	1-121-658-00	1-121-659-00	1-121-660-00	1-123-067-00	1-121-984-00	–
3300	1-121-661-00	1-123-075-00	1-123-071-00	–	–	–

CAP. (μF)	100 VOLT.	160 VOLT.	250 VOLT.	350 VOLT.
	PART No.	PART No.	PART No.	PART No.
0.47	–	–	–	–
1.0	1-123-249-00	1-123-252-00	1-123-003-00	1-121-168-00
2.2	1-123-250-00	1-123-026-00	–	1-123-028-00
3.3	1-121-995-00	–	1-123-004-00	1-123-006-00
4.7	1-123-255-00	1-121-246-00	1-121-759-00	1-123-007-00
10	1-121-126-00	1-121-999-00	1-123-254-00	1-123-008-00
22	1-121-996-00	1-123-253-00	1-123-005-00	1-123-022-00
33	1-121-997-00	1-121-757-00	–	–
47	1-123-251-00	1-121-919-00	–	–
100	1-123-084-00	–	–	–

CERAMIC CAPACITORS

RATING

CAP. (pF)	50 VOLT.	CAP. (pF)	50 VOLT.	CAP. (pF)	50 VOLT.	CAP. (μF)	50 VOLT.
	PART No.		PART No.		PART No.		PART No.
0.5	1-101-837-00	22	1-102-959-00	150	1-101-361-00	0.001	1-102-074-00
0.75	1-101-586-00	24	1-102-960-00	160	1-101-367-00	0.0012	1-102-118-00
1.0	1-102-934-00	27	1-102-961-00	180	1-102-976-00	0.0015	1-102-119-00
1.5	1-101-576-00	30	1-102-962-00	200	1-102-977-00	0.0018	1-102-120-00
2.0	1-102-935-00	33	1-102-963-00	220	1-102-978-00	0.0022	1-102-121-00
3	1-102-936-00	36	1-102-964-00	240	1-102-979-00	0.0027	1-102-122-00
4	1-102-937-00	39	1-102-965-00	270	1-102-980-00	0.0033	1-102-123-00
5	1-102-942-00	43	1-102-966-00	300	1-102-981-00	0.0039	1-102-124-00
6	1-102-943-00	47	1-101-880-00	330	1-102-820-00	0.0047	1-102-125-00
7	1-102-944-00	51	1-101-882-00	360	1-102-821-00	0.0056	1-102-126-00
8	1-102-945-00	56	1-101-884-00	390	1-102-822-00	0.0068	1-102-127-00
9	1-102-946-00	62	1-101-886-00	430	1-102-823-00	0.0082	1-102-128-00
10	1-102-947-00	68	1-101-888-00	470	1-102-824-00	0.01	1-102-129-00
11	1-102-948-00	75	1-101-890-00	510	1-101-059-00	0.022	1-101-005-00
12	1-102-949-00	82	1-102-971-00	560	1-102-115-00	0.047	1-101-006-00
13	1-102-950-00	91	1-102-972-00	680	1-102-116-00		
15	1-102-951-00	100	1-102-973-00	820	1-102-117-00		
16	1-102-952-00	110	1-102-815-00				
18	1-102-953-00	120	1-102-816-00				
20	1-102-958-00	130	1-101-081-00				

0.001μF = 1,000pF

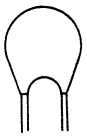
CERAMIC (SEMICONDUCTOR) CAPACITORS

RATING → : Use the high voltage rated one.

CAP. (μF)	25 VOLT.	50 VOLT.	CAP. (μF)	25 VOLT.	50 VOLT.
	PART No.	PART No.		PART No.	PART No.
0.001	→	1-161-039-00	0.018	1-161-016-00	1-161-054-00
0.0012	→	1-161-040-00	0.022	1-161-017-00	1-161-055-00
0.0015		1-161-041-00	0.027	1-161-018-00	1-161-056-00
0.0018		1-161-042-00	0.033	1-161-019-00	1-161-057-00
0.0022		1-161-043-00	0.039	1-161-010-00	1-161-058-00
0.0027	→	1-161-044-00	0.047	1-161-021-00	1-161-059-00
0.0033	→	1-161-045-00	0.056	→	1-161-060-00
0.0039	→	1-161-046-00	0.068	→	1-161-061-00
0.0047	→	1-161-047-00	0.082	1-161-024-00	1-161-062-00
0.0056	→	1-161-048-00	0.1	1-161-025-00	1-161-063-00
0.0068	→	1-161-049-00			
0.0082	1-161-012-00	1-161-050-00			
0.01	1-161-013-00	1-161-051-00			
0.012	→	1-161-052-00			
0.015	1-161-015-00	1-161-053-00			

MYLAR CAPACITORS

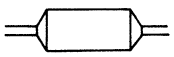
CAP. (μF)	RATING 50 VOLT. PART No.	100 VOLT. PART No.	200 VOLT. PART No.	CAP. (μF)	50 VOLT. PART No.	100 VOLT. PART No.	200 VOLT. PART No.	CAP. (μF)	50 VOLT. PART No.	100 VOLT. PART No.	200 VOLT. PART No.
0.001	1-108-227-00	1-108-365-00	1-108-409-00	0.01	1-108-239-00	1-108-377-00	1-108-421-00	0.1	1-108-251-00	1-108-389-00	1-108-433-00
0.0012	1-108-351-00	1-108-366-00	1-108-410-00	0.012	1-108-357-00	1-108-378-00	1-108-422-00	0.12	1-108-363-00	1-108-390-00	1-108-434-00
0.0015	1-108-228-00	1-108-367-00	1-108-411-00	0.015	1-108-240-00	1-108-379-00	1-108-423-00	0.15	1-108-252-00	1-108-391-00	1-108-435-00
0.0018	1-108-352-00	1-108-368-00	1-108-412-00	0.018	1-108-358-00	1-108-380-00	1-108-424-00	0.18	1-108-364-00	1-108-392-00	1-108-436-00
0.0022	1-108-230-00	1-108-369-00	1-108-413-00	0.022	1-108-242-00	1-108-381-00	1-108-425-00	0.22	1-108-254-00	1-108-393-00	1-108-437-00
0.0027	1-108-353-00	1-108-370-00	1-108-414-00	0.027	1-108-359-00	1-108-382-00	1-108-426-00	0.27	1-108-854-00	–	–
0.0033	1-108-232-00	1-108-371-00	1-108-415-00	0.033	1-108-244-00	1-108-383-00	1-108-427-00	0.33	1-108-855-00	–	–
0.0039	1-108-354-00	1-108-372-00	1-108-416-00	0.039	1-108-360-00	1-108-384-00	1-108-428-00	0.39	1-108-856-00	–	–
0.0047	1-108-234-00	1-108-373-00	1-108-417-00	0.047	1-108-246-00	1-108-385-00	1-108-429-00	0.47	1-108-857-00	–	–
0.0056	1-108-355-00	1-108-374-00	1-108-418-00	0.056	1-108-361-00	1-108-386-00	1-108-430-00				
0.0068	1-108-237-00	1-108-375-00	1-108-419-00	0.068	1-108-249-00	1-108-387-00	1-108-431-00				
0.0082	1-108-356-00	1-108-376-00	1-108-420-00	0.082	1-108-362-00	1-108-388-00	1-108-432-00				



TANTALUM CAPACITORS

→: Use the high voltage rated one.

CAP. (μF)	RATING 3.15 VOLT. PART No.	6.3 VOLT. PART No.	10 VOLT. PART No.	16 VOLT. PART No.	20 VOLT. PART No.	25 VOLT. PART No.	35 VOLT. PART No.
0.01					→	→	1-131-396-00
0.015						→	1-131-397-00
0.022						→	1-131-398-00
0.033						→	1-131-399-00
0.047						→	1-131-400-00
0.068					→	→	1-131-401-00
0.1					→	→	1-131-402-00
0.15					→	→	1-131-403-00
0.22					→	→	1-131-404-00
0.33					→	1-131-409-00	1-131-405-00
0.47	–	–	–	–	1-131-412-00	→	1-131-406-00
0.68	–	–	–	1-131-415-00	→	1-131-410-00	1-131-407-00
1.0	–	–	1-131-418-00	–	1-131-413-00	→	1-131-408-00
1.5	–	1-131-421-00	–	1-131-416-00	→	1-131-411-00	1-131-348-00
2.2	1-131-424-00	–	1-131-419-00	–	1-131-414-00	1-131-355-00	1-131-349-00
3.3	–	1-131-422-00	–	1-131-417-00	1-131-362-00	1-131-356-00	1-131-350-00
4.7	1-131-425-00	–	1-131-420-00	1-131-369-00	1-131-363-00	1-131-357-00	1-131-351-00
6.8	–	1-131-423-00	1-131-376-00	1-131-370-00	1-131-364-00	1-131-358-00	1-131-352-00
10	1-131-426-00	1-131-383-00	1-131-377-00	1-131-371-00	1-131-365-00	1-131-359-00	1-131-353-00
15	1-131-390-00	1-131-384-00	1-131-378-00	1-131-372-00	1-131-366-00	1-131-360-00	–
22	1-131-391-00	1-131-385-00	1-131-379-00	1-131-373-00	1-131-367-00		
33	1-131-392-00	1-131-386-00	1-131-380-00	1-131-374-00			
47	1-131-393-00	1-131-387-00	1-131-381-00	–			
68	1-131-394-00	1-131-388-00	–	–			
100	1-131-395-00	–	–	–			



TANTALUM CAPACITORS

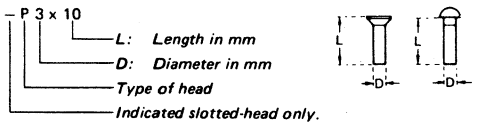
CAP. (μF)	RATING 3 VOLT. PART No.	6.3 VOLT. PART No.	10 VOLT. PART No.	16 VOLT. PART No.	20 VOLT. PART No.	35 VOLT. PART No.
0.033						1-131-273-00
0.047						1-131-274-00
0.068						1-131-275-00
0.1						1-131-276-00
0.15						1-131-277-00
0.22			–	–	1-131-262-00	1-131-278-00
0.33			–	–	1-131-263-00	1-131-279-00
0.47			1-131-169-00	–	1-131-264-00	1-131-280-00
0.68			–	1-131-258-00	1-131-265-00	1-131-281-00
1.0			1-131-254-00	–	1-131-266-00	1-131-282-00
1.5		1-131-250-00	–	–	1-131-267-00	1-131-283-00
2.2		–	–	1-131-259-00	1-131-268-00	1-131-284-00
3.3		–	1-131-255-00	–	1-131-269-00	–
4.7		1-131-251-00	1-131-171-00	–	1-131-270-00	–
6.8		–	–	1-131-260-00	1-131-271-00	–
10	–	–	1-131-256-00	–	1-131-272-00	–
15	–	1-131-252-00	–	1-131-261-00		
22	–	–	1-131-257-00	–		
33	1-131-176-00	1-131-253-00	1-131-173-00	–		
47	1-131-288-00	1-131-174-00	–	–		
100	1-131-177-00					

1/4 WATT CARBON RESISTORS

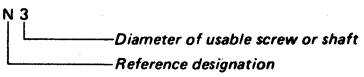
Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.
1.0	1-246-401-00	10	1-246-425-00	100	1-246-449-00	1.0k	1-246-473-00	10k	1-246-497-00	100k	1-246-521-00	1.0M	1-246-545-00
1.1	1-246-402-00	11	1-246-426-00	110	1-246-450-00	1.1k	1-246-474-00	11k	1-246-498-00	110k	1-246-522-00	1.1M	1-210-814-00
1.2	1-246-403-00	12	1-246-427-00	120	1-246-451-00	1.2k	1-246-475-00	12k	1-246-499-00	120k	1-246-523-00	1.2M	1-210-815-00
1.3	1-246-404-00	13	1-246-428-00	130	1-246-452-00	1.3k	1-246-476-00	13k	1-246-500-00	130k	1-246-524-00	1.3M	1-210-816-00
1.5	1-246-405-00	15	1-246-429-00	150	1-246-453-00	1.5k	1-246-477-00	15k	1-246-501-00	150k	1-246-525-00	1.5M	1-210-817-00
1.6	1-246-406-00	16	1-246-430-00	160	1-246-454-00	1.6k	1-246-478-00	16k	1-246-502-00	160k	1-246-526-00	1.6M	1-210-818-00
1.8	1-246-407-00	18	1-246-431-00	180	1-246-455-00	1.8k	1-246-479-00	18k	1-246-503-00	180k	1-246-527-00	1.8M	1-210-819-00
2.0	1-246-408-00	20	1-246-432-00	200	1-246-456-00	2.0k	1-246-480-00	20k	1-246-504-00	200k	1-246-528-00	2.0M	1-210-820-00
2.2	1-246-409-00	22	1-246-433-00	220	1-246-457-00	2.2k	1-246-481-00	22k	1-246-505-00	220k	1-246-529-00	2.2M	1-210-821-00
2.4	1-246-410-00	24	1-246-434-00	240	1-246-458-00	2.4k	1-246-482-00	24k	1-246-506-00	240k	1-246-530-00	2.4M	1-244-754-00
2.7	1-246-411-00	27	1-246-435-00	270	1-246-459-00	2.7k	1-246-483-00	27k	1-246-507-00	270k	1-246-531-00	2.7M	1-244-755-00
3.0	1-246-412-00	30	1-246-436-00	300	1-246-460-00	3.0k	1-246-484-00	30k	1-246-508-00	300k	1-246-532-00	3.0M	1-244-756-00
3.3	1-246-413-00	33	1-246-437-00	330	1-246-461-00	3.3k	1-246-485-00	33k	1-246-509-00	330k	1-246-533-00	3.3M	1-244-757-00
3.6	1-246-414-00	36	1-246-438-00	360	1-246-462-00	3.6k	1-246-486-00	36k	1-246-510-00	360k	1-246-534-00	3.6M	1-244-758-00
3.9	1-246-415-00	39	1-246-439-00	390	1-246-463-00	3.9k	1-246-487-00	39k	1-246-511-00	390k	1-246-535-00	3.9M	1-244-759-00
4.3	1-246-416-00	43	1-246-440-00	430	1-246-464-00	4.3k	1-246-488-00	43k	1-246-512-00	430k	1-246-536-00	4.3M	1-244-760-00
4.7	1-246-417-00	47	1-246-441-00	470	1-246-465-00	4.7k	1-246-489-00	47k	1-246-513-00	470k	1-246-537-00	4.7M	1-244-761-00
5.1	1-246-418-00	51	1-246-442-00	510	1-246-466-00	5.1k	1-246-490-00	51k	1-246-514-00	510k	1-246-538-00	5.1M	1-244-762-00
5.6	1-246-419-00	56	1-246-443-00	560	1-246-467-00	5.6k	1-246-491-00	56k	1-246-515-00	560k	1-246-539-00		
6.2	1-246-420-00	62	1-246-444-00	620	1-246-468-00	6.2k	1-246-492-00	62k	1-246-516-00	620k	1-246-540-00		
6.8	1-246-421-00	68	1-246-445-00	680	1-246-469-00	6.8k	1-246-493-00	68k	1-246-517-00	680k	1-246-541-00		
7.5	1-246-422-00	75	1-246-446-00	750	1-246-470-00	7.5k	1-246-494-00	75k	1-246-518-00	750k	1-246-542-00		
8.2	1-246-423-00	82	1-246-447-00	820	1-246-471-00	8.2k	1-246-495-00	82k	1-246-519-00	820k	1-246-543-00		
9.1	1-246-424-00	91	1-246-448-00	910	1-246-472-00	9.1k	1-246-496-00	91k	1-246-520-00	910k	1-246-544-00		

HARDWARE NOMENCLATURE

Screw:



Nut, Washer, Retaining ring:



Reference Designation	Shape	Description	Remarks
SCREWS			
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP		pan-head screw with spring washer	binding-head (B) screw and spring washer for replacement
PSW PSPW		pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R		round-head screw	binding-head (B) screw for replacement
K		flat-countersunk-head screw	
RK		oval-countersunk-head screw	
B		binding-head screw	
T		truss-head screw	binding-head (B) screw for replacement
F		flat-fillister-head screw	
RF		fillister-head screw	
BV		brazier-head screw	

Reference Designation	Shape	Description	Remarks
SELF-TAPPING SCREWS			
TA		self-tapping screw	ex: TA, P 3 x 10
PTP		pan-head self-tapping screw	binding-head self-tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self tapping (TA, B) screw and flat washer for replacement
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
SET SCREWS			
SC		set screw	
SC		hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket
NUT			
N		nut	
WASHERS			
W		flat washer	
SW		spring washer	
LW		internal-tooth lock washer	ex: LW3, internal
LW		external-tooth lock washer	ex: LW3, external
RETAINING RINGS			
E		retaining ring	
G		grip-type retaining ring	

Sony Corporation
Consumer Products Group
Technical Support Dept.

English
82K06146-1
Printed in Japan
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STEREO TURNTABLE SYSTEM

PS-Q7

US Model
(Serial No. 801001 and later)

AEP Model
(Serial No. 502501 and later)

UK Model
(Serial No. 600801 and later)

E Model
(Serial No. 302901 and later)

SUPPLEMENT

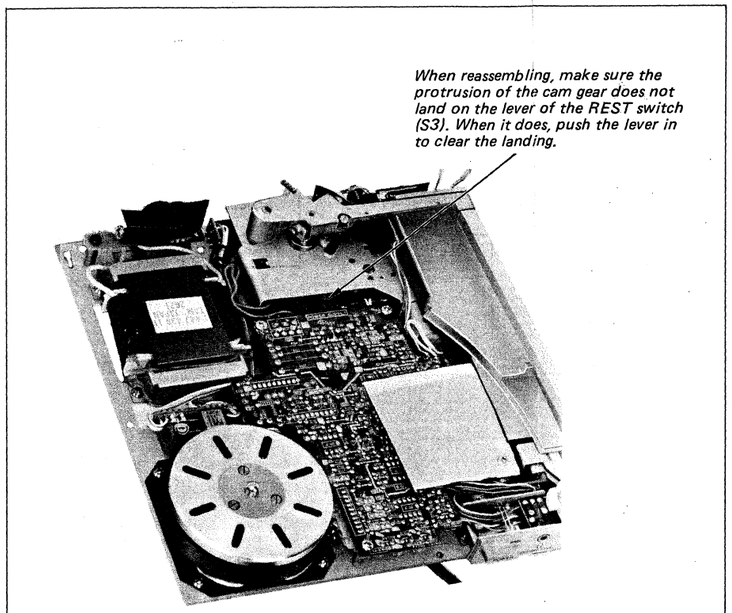
No. 2
April, 1983

SUBJECT: CHANGES ON ELECTRICAL ADJUSTMENTS, BLOCK, MOUNTING AND SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND PARTS LIST DUE TO UTILIZATION OF A MICROCOMPUTER CHIP AND TWO DIFFERENT PANELCOLOR VARIATIONS.

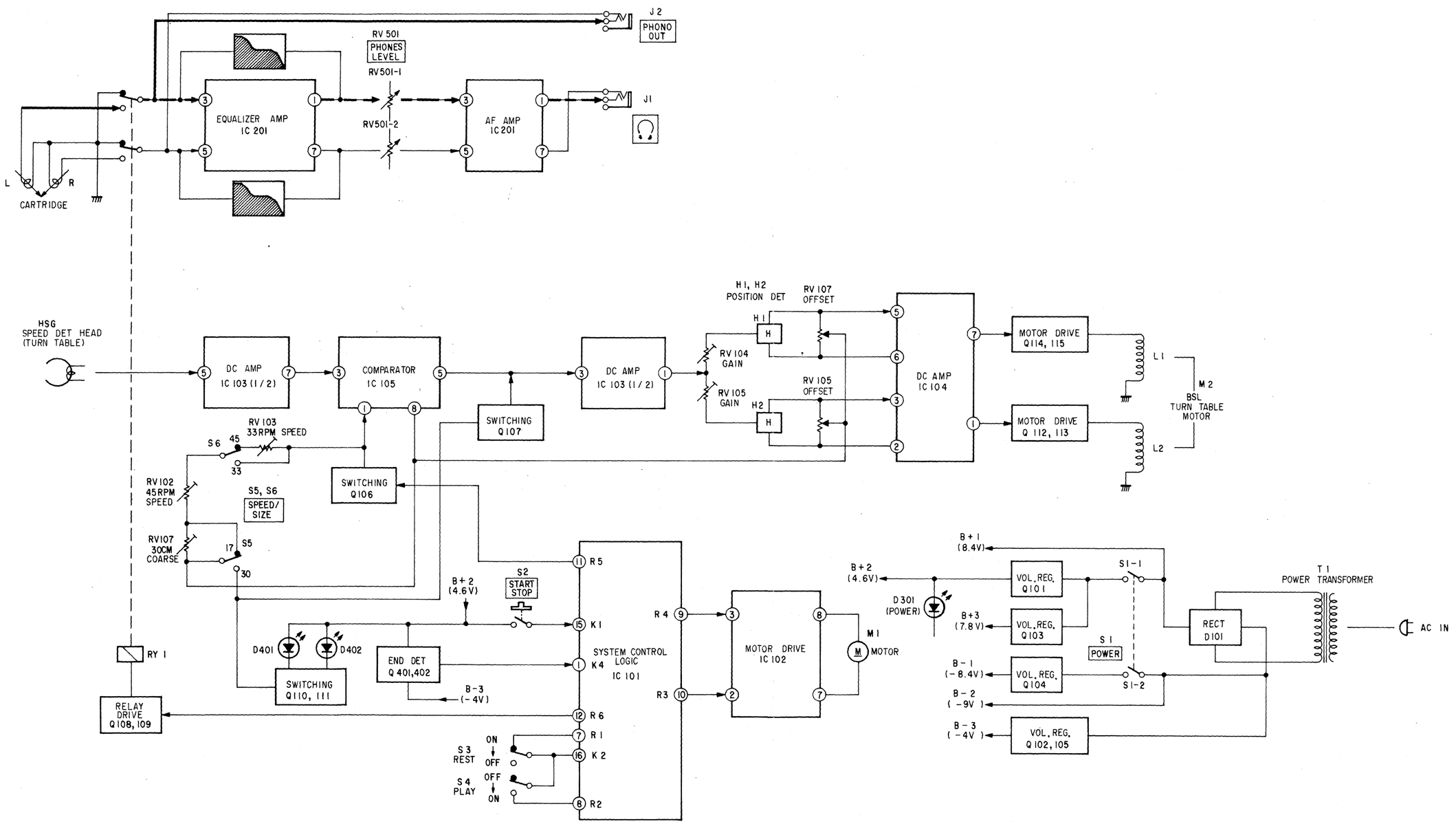
File this supplement with the service manual.

SONY
SERVICE MANUAL

1. NOTE ON REASSEMBLING CAM GEAR


When reassembling, make sure the protrusion of the cam gear does not land on the lever of the REST switch (S3). When it does, push the lever in to clear the landing.

2. BLOCK DIAGRAM

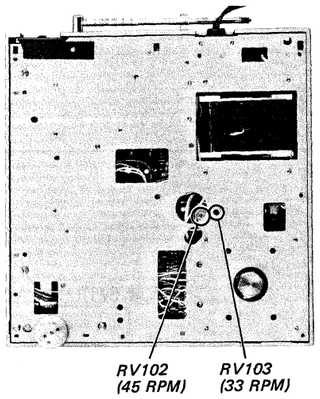


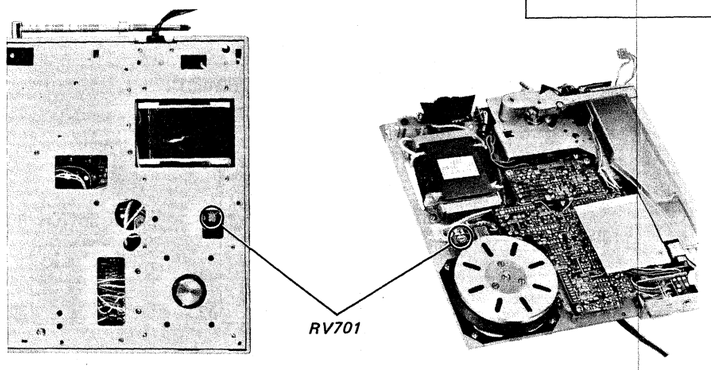
3-1. ELECTRICAL ADJUSTMENTS

Speed Adjustment

1. Prepare the retainer block. Part no.: 4-885-128-00
2. Connect a frequency counter which has good sensitivity at low frequency to the check point E.
3. Select the SPEED/SIZE selector switch to "17" cm and "45" rpm.
4. Put a 17 cm record and the retainer block on the turntable and play the record under applying the suitable stylus pressure.
5. Adjust the potentiometer RV102 in such a way that the reading of frequency is 150.0 – 151.5 Hz.
6. Select the SPEED/SIZE selector switch to "30" cm and "45" rpm.
7. Put a 30 cm record and the retaining block on the turntable and play the record under applying the suitable stylus pressure.
8. Adjust the potentiometer RV701 in such a way that the reading of frequency is 150.0 – 151.5 Hz.
9. Select the SPEED/SIZE selector switch to "30" cm and "33" rpm. Play the record as same as 7. above.
10. Adjust the potentiometer RV103 in such a way that the reading of frequency in 110.0 – 112.0 Hz.

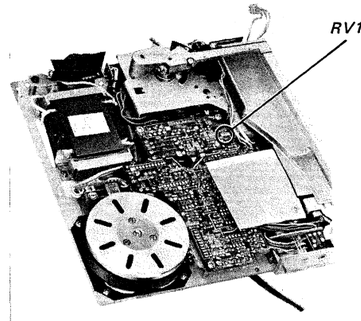
Note: The retaining block may be used after removing the dust cover. Refer to exploded view (page 14) and parts list (page 18).

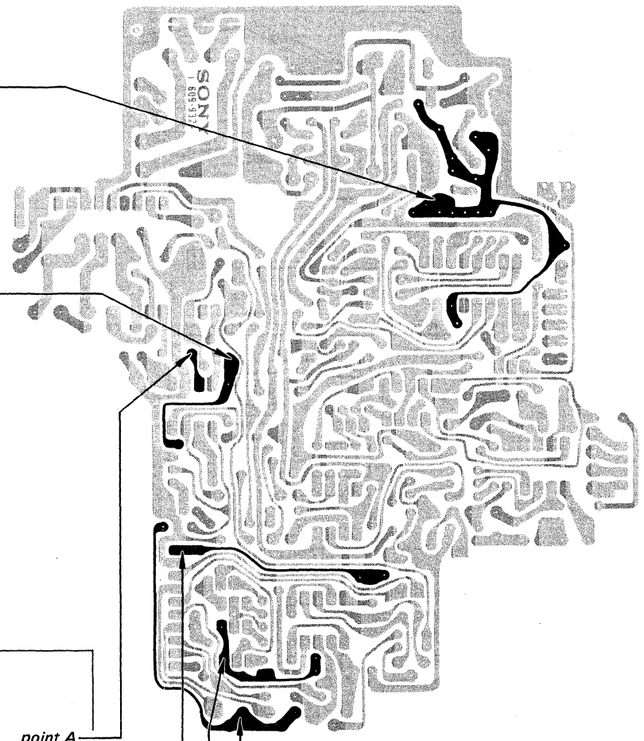




B- Voltage Adjustment

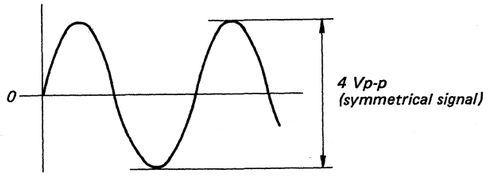
With a VOM connected to point F (emitter of Q102), adjust RV101 to obtain a –4 V dc.

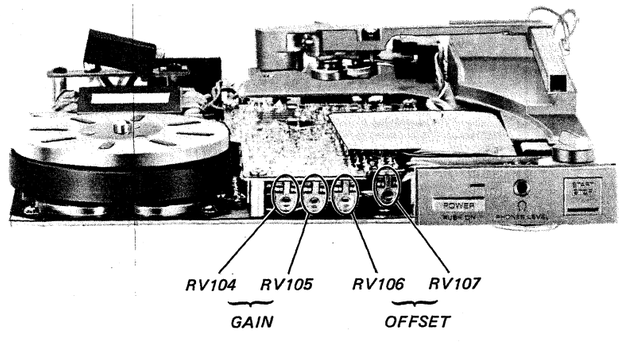




Gain and Offset Adjustment

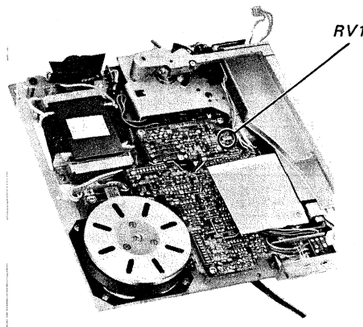
1. Select the SPEED/SIZE selector switch to "17" cm and "45" rpm under the player system is in STOP condition.
2. Apply about 0.8 VDC to the point A and adjust the DC output voltage to obtain a 1.5 VDC at the point B.
3. Adjust the potentiometers RV104 (gain adjustment) and RV107 (offset adjustment) in such a way that the output at the point C is 4 Vp-p.
4. Adjust the potentiometers RV105 (gain adjustment) and RV106 (offset adjustment) in such a way that the output at the point D is 4 Vp-p.

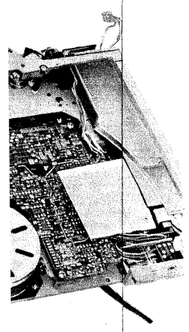


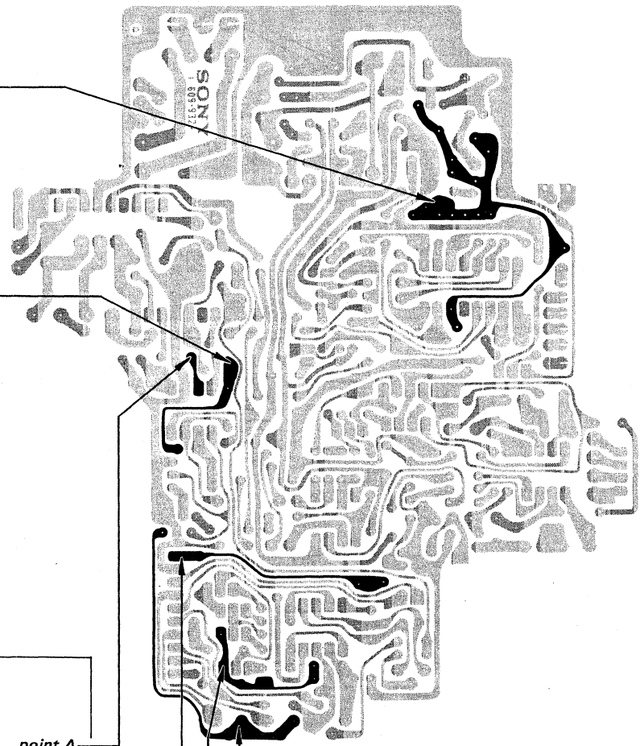


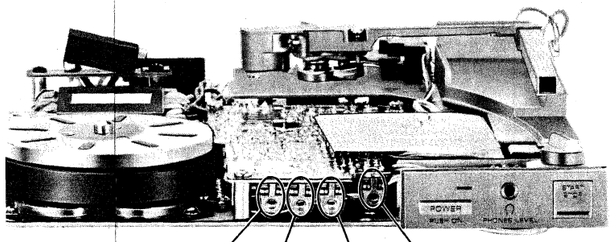
B– Voltage Adjustment

With a VOM connected to point F (emitter of Q102), adjust RV101 to obtain a –4 V dc.



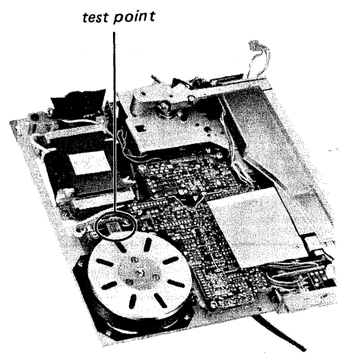


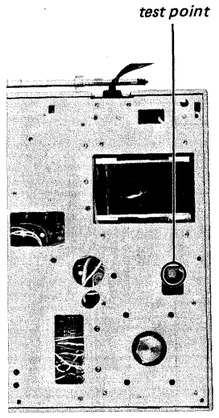




FG Head Position Adjustment

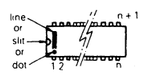
1. Loosen head-fixing screws.
2. Turn POWER on. Set speed to 45 rpm.
3. Push START switch. Turntable should turn.
4. Adjust head position back and forth to obtain a 30 mVrms (84 mVp-p) voltage reading at test point.
5. Tighten the loosened screws.





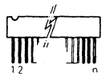
4. MOUNTING DIAGRAM

NJM2035D
NJM4560D-D
μPC4557C
μPC4558C
μPD4011BC

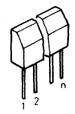


(Top view)

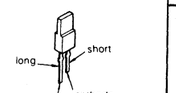
BA6208



CX-069-A

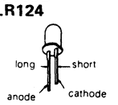


GL-9PG24

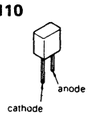


RD4.7EL3
1SS119
1S2268-17

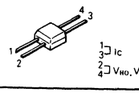
SLP135B
TLR124



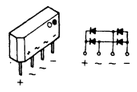
SR110



THS102



S1VB20



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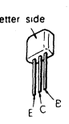
2SD773

2SA1175



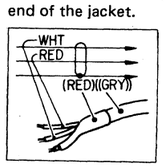
2SC536SP
2SC2458

2SC710

PH103

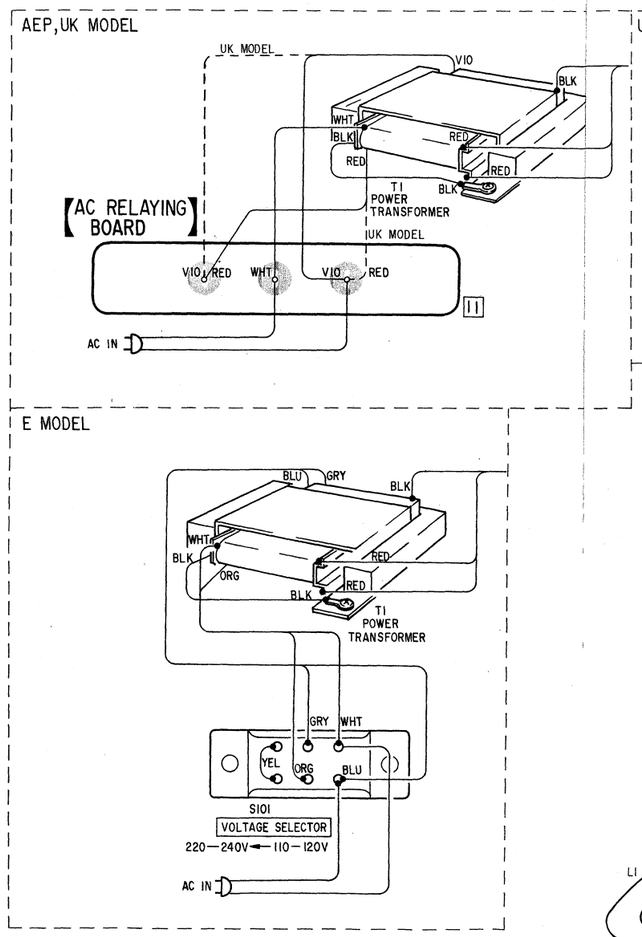
Note:

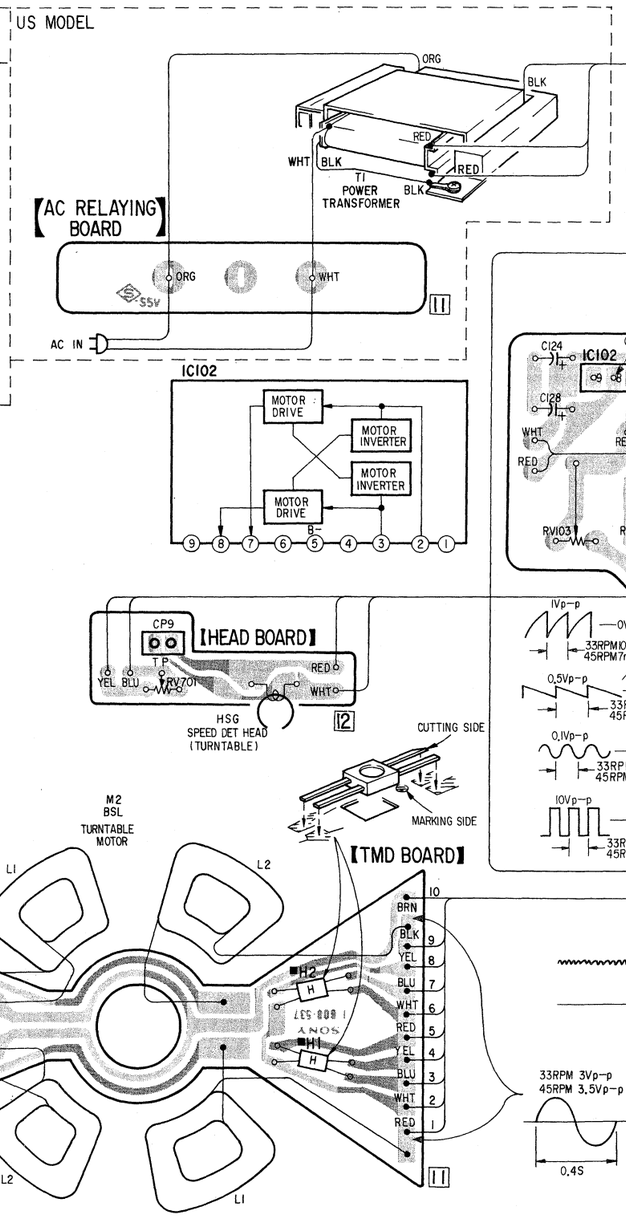
- Color code of sleeving over the end of the jacket.

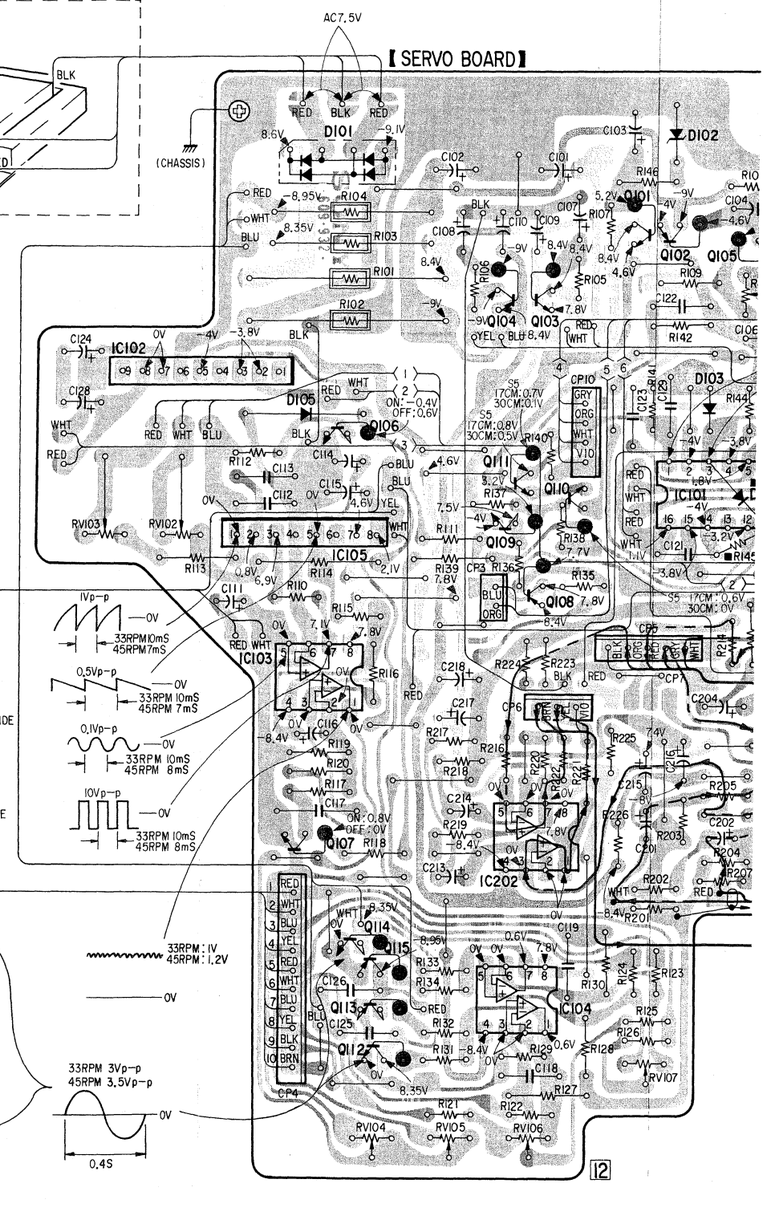


- ○— : parts extracted from the component side.
- ●— : parts extracted from the conductor side.
- ■ : part mounted on the conductor side.
- ▒ : B + pattern
- ▒ : B − pattern

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Q IC						H2 H1		IC102	IC105 IC103 107	106 114 115 113 112	104 103 110 101 111 108 109 IC202 IC104	102 105 IC101
2	D									105	101		102 103 104
3													
4													
5													
6													
7													
8													
9													







E F G H I J K L M N O P Q R S T

IC102 IC105 IC103 106 114 115 113 112 107 104 103 110 101 111 108 109 IC202 IC104 102 105 IC101 401 402 Q IC 1

H2 H1 IC201

101 105 102 103 104 401 402 801 D 2

301

US MODEL

【AC RELAYING BOARD】

ORG BLK RED WHT BLK RED BLK TI POWER TRANSFORMER S5V ORG WHT AC IN 11

IC102 MOTOR DRIVE MOTOR INVERTER MOTOR INVERTER MOTOR DRIVE B- 9 8 7 6 5 4 3 2 1

【HEAD BOARD】

CP9 TP YEL BLU RV701 RED WHT 12

HSG SPEED DET HEAD (TURNTABLE)

CUTTING SIDE MARKING SIDE

【TMD BOARD】

M2 BSL TURNTABLE MOTOR L1 L2 H2 H H1 H 10 BRN 9 BLK 8 YEL 7 BLU 6 WHT 5 RED 4 YEL 3 BLU 2 WHT 1 RED 11

AC7.5V RED BLK RED (CHASSIS)

【SERVO BOARD】

D101 8.6V 9.1V C102 C101 C103 D102 RED 8.95V R104 WHT 8.35V R103 BLU C106 C110 C109 C107 R146 5.2V Q101 -4V -9V R108 C104 4.6V 0.6V R101 8.4V R105 8.4V 4.6V Q102 Q105 R102 -9V R109 RV101 C122 R142 C106 Q104 Q103 YEL BLU 8.4V 7.8V RED WHT BLK C124 IC102 0V -4V -3.8V 09 08 07 06 05 04 03 02 01 C128 RED WHT BLU D105 Q106 RED WHT 1 2 ON: -0.4V OFF: 0.6V 3 R112 C113 C112 C114 C115 4.6V BLU YEL 0V RV103 RV102 IC105 0.8V 6.9V 2.1V R113 R114 R110 C111 R115 7.8V 7.1V RED WHT IC103 R116 C116 -8.4V R119 R120 R117 C117 OR: 0.8V OFF: 0V Q107 R118 C218 R224 R223 BLK RED C217 R216 R218 R217 C214 R219 C213 IC202 C201 R225 R226 C215 R203 C202 R205 R204 C203 C207 R206 R211 C209 C208 R208 C212 R210 R209 C210 R213 R212 IC201 8.4V CP1 CP5 CP7 CP6 CP4 CP2 CP3 R136 R135 Q108 7.8V R139 7.8V R111 Q109 R138 7.7V Q110 R137 5.2V Q111 R140 4.6V C119 0.6V 7.5V R130 R124 R123 R133 R134 Q114 Q115 8.35V 8.96V C126 Q113 C125 Q112 R132 R131 -8.4V R129 0.6V C118 R127 R121 R122 RV104 RV105 RV106 R125 R126 R128 RV107 C120 2.2V C105 C127 R144 R143 1.1V C123 C124 DI03 DI04 IC101 -4V -3.8V 4.6V 1.8V 3.8V R145 CP10 GRY ORG WHT V10 S5 17CM: 0.7V 30CM: 0.1V S5 17CM: 0.8V 30CM: 0.5V S5 17CM: 0.6V 30CM: 0V IN A MOMENT: 1V 12

VOLTAGE: VARIES BY THE LOCATION OF THE HOLE ON THE SHUTTER −3.8V OR 3.9V RED WHT M1 MOTOR

【PLAY SWITCH BOARD】 ON RED OFF WHT S4 (PLAY) 12

【END DET BOARD】 VOLTAGE: VARIES BY THE LOCATION OF THE HOLE ON THE SHUTTER −3.8V OR 3.9V Q401 Q402 R401 D401 D402 2.4V 4.6V ORG GRY WHT VIO 11

【JACK BOARD】 PHONO OUTPUT SONY J2 PHONO OUT BLK GRN WHT RED BLU RED WHT RY1 D801 ORG 12 INPUT TO CARTRIDGE

6 4 5

【SPEED/SIZE BOARD】 RED WHT BLU 45 33 30 S6 S5 SPEED/SIZE 12

【REST SWITCH BOARD】 S3 (REST) RED WHT OFF ON 12

【START/STOP BOARD】 2.1V R301 4.6V S2 START STOP GRY YEL BRN D301 (POWER) 11

IVp-p 33RPM 10mS 45RPM 7mS 0V

0.5Vp-p 33RPM 10mS 45RPM 7mS 0V

0.1Vp-p 33RPM 10mS 45RPM 8mS 0V

10Vp-p 33RPM 10mS 45RPM 8mS 0V

33RPM: 1V 45RPM: 1.2V 0V

33RPM 3Vp-p 45RPM 3.5Vp-p 0V 0.4S

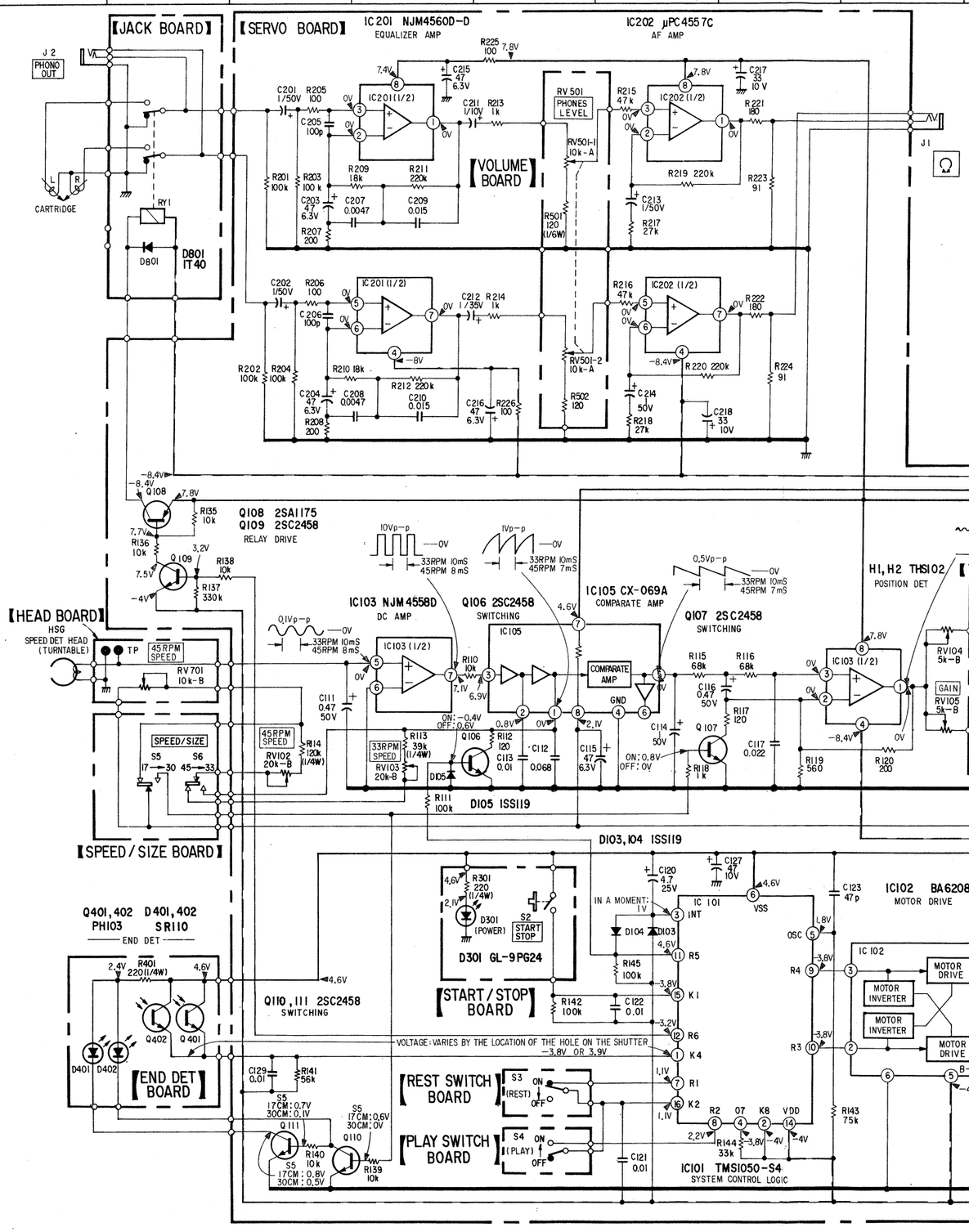
【POWER SWITCH BOARD】 −8.4V 8.4V BLU BLK VIO ORG ON OFF S1 POWER PUSH ON 11

HEADPHONE OUTPUT

【HEADPHONE BOARD】 VIO BRN YEL J1 11

【VOLUME BOARD】 GRY WHT RED ORG BLK R501 RV501-2 R502 RV501-1 PHONES LEVEL 11

5. SCHEMATIC DIAGRAM



Note:

- All capacitors are in μF unless otherwise noted, pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms, 1/4W unless otherwise noted. kΩ : 1000 Ω, MΩ : 1000 kΩ
- ▭ : panel designation.
- ▭ : adjustment for repair.
- ——— : B+ bus.
- – – – : B- bus.
- Readings are taken under no-signal conditions with a VOM (50 kΩ/V).
- Switches

Ref. No.	Switch	Position
S1	POWER	OFF
S2	START/STOP	OFF
S3	REST	OFF
S4	END	OFF
S5	17 cm/30 cm	17 cm
S6	45 RPM/33 RPM	45 RPM

Note: Voltages are measured w

Note: The components identifie ⚠ are critical for safety part number specified.

SUPPLEMENT No. 2 PS-Q7

H I J K L M N O P Q R S T U V W

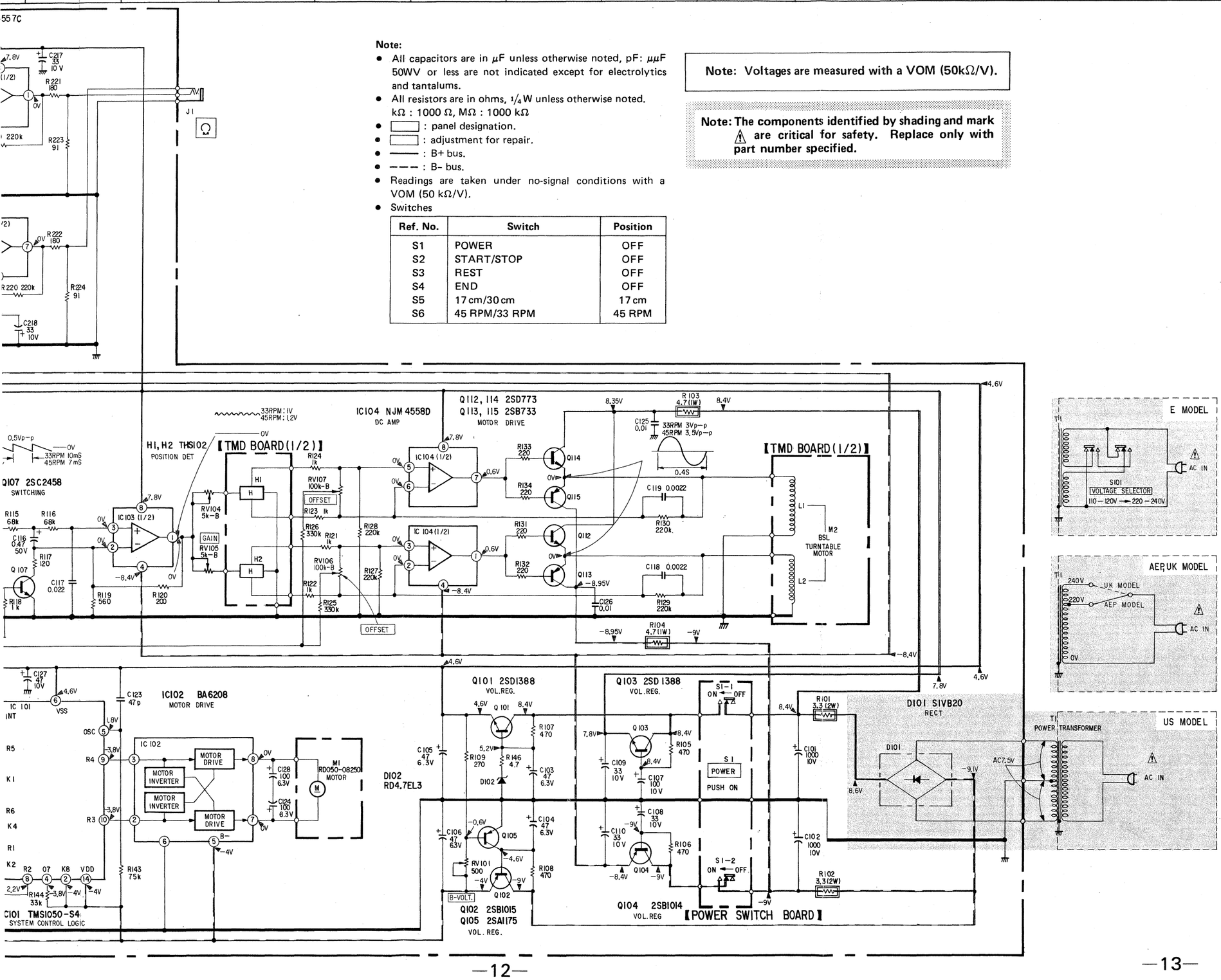
1 2 3 4 5 6 7 8 9 10

Note:
- All capacitors are in μF unless otherwise noted, pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms, 1/4W unless otherwise noted. kΩ : 1000 Ω, MΩ : 1000 kΩ
- ▭ : panel designation.
- ▭ : adjustment for repair.
- ——— : B+ bus.
- – – – : B- bus.
- Readings are taken under no-signal conditions with a VOM (50 kΩ/V).
- Switches

Ref. No.	Switch	Position
S1	POWER	OFF
S2	START/STOP	OFF
S3	REST	OFF
S4	END	OFF
S5	17 cm/30 cm	17 cm
S6	45 RPM/33 RPM	45 RPM

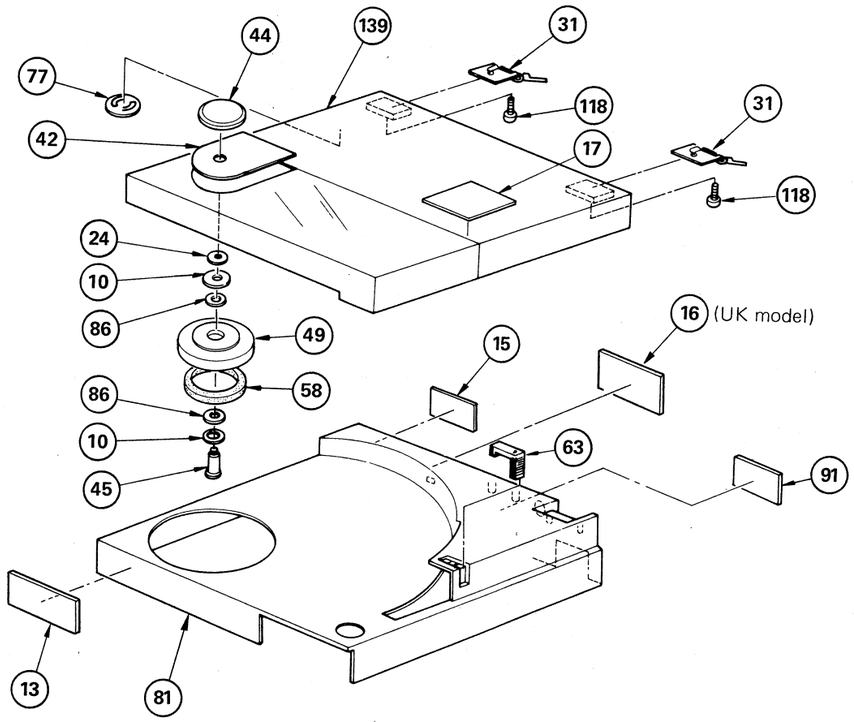
Note: Voltages are measured with a VOM (50kΩ/V).

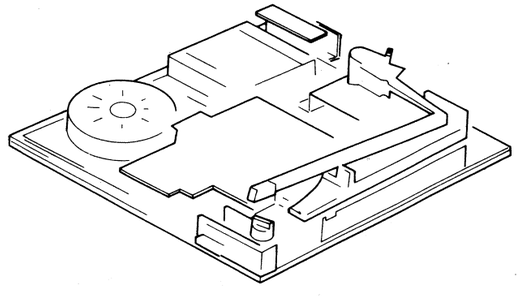
Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.



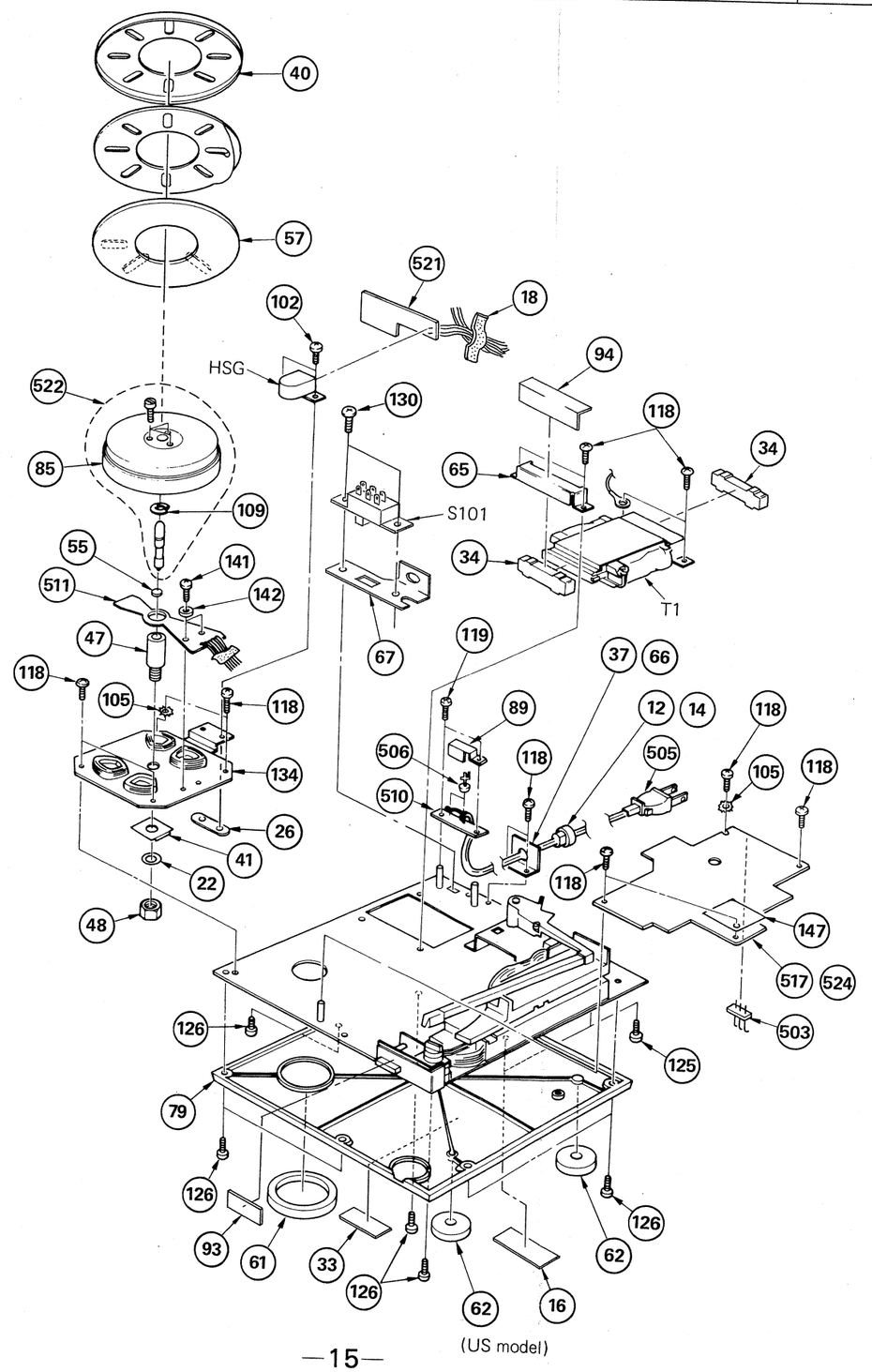
6. EXPLODED VIEWS

(1)



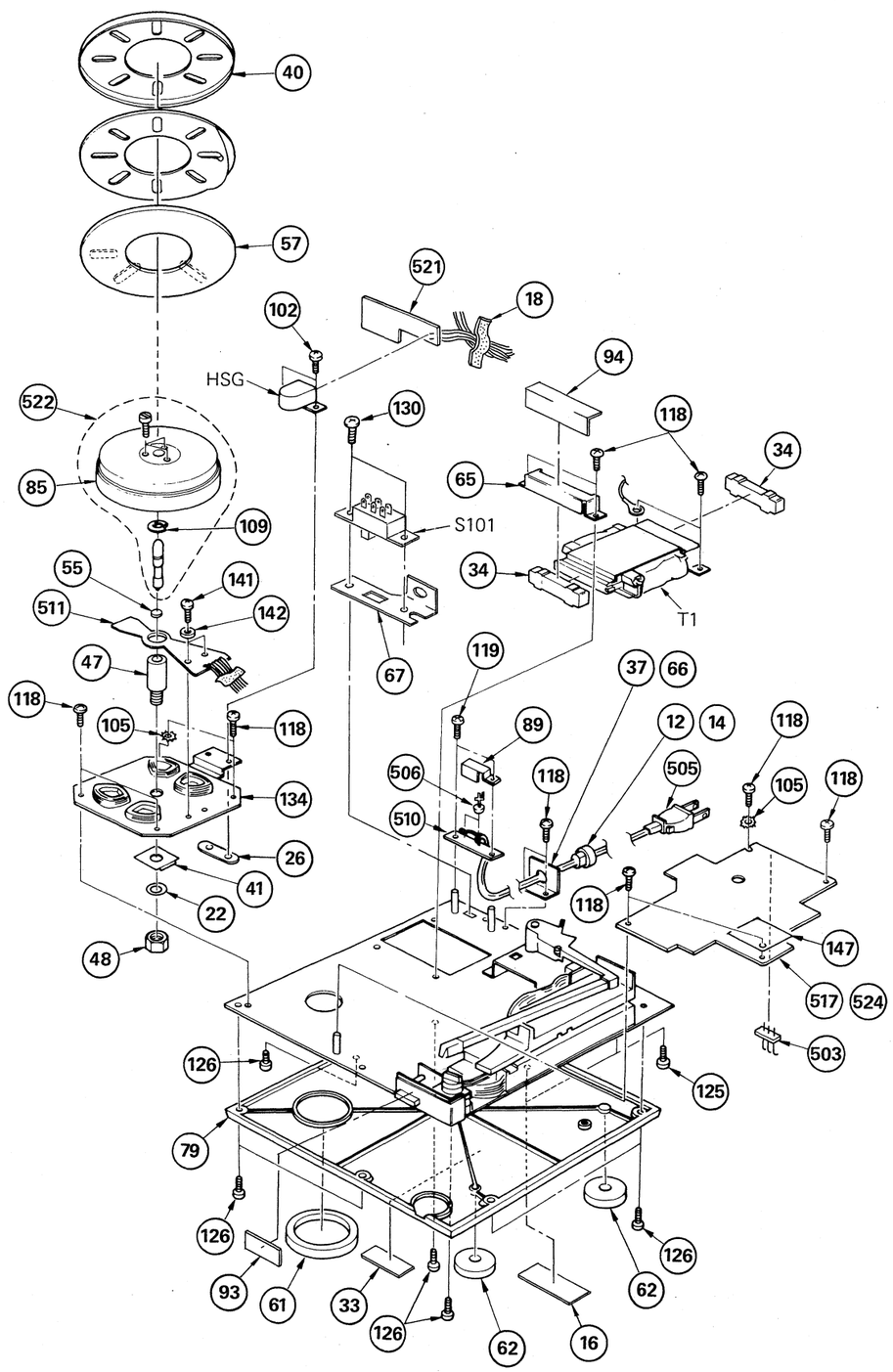


(2)



(US model)

(2)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521
18
102
HSG
522
130
94
118
34
85
65
109
S101
55
141
34
511
142
T1
47
119
67
37
66
118
105
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89
12
14
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506
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505
105
118
134
510
26
41
22
48
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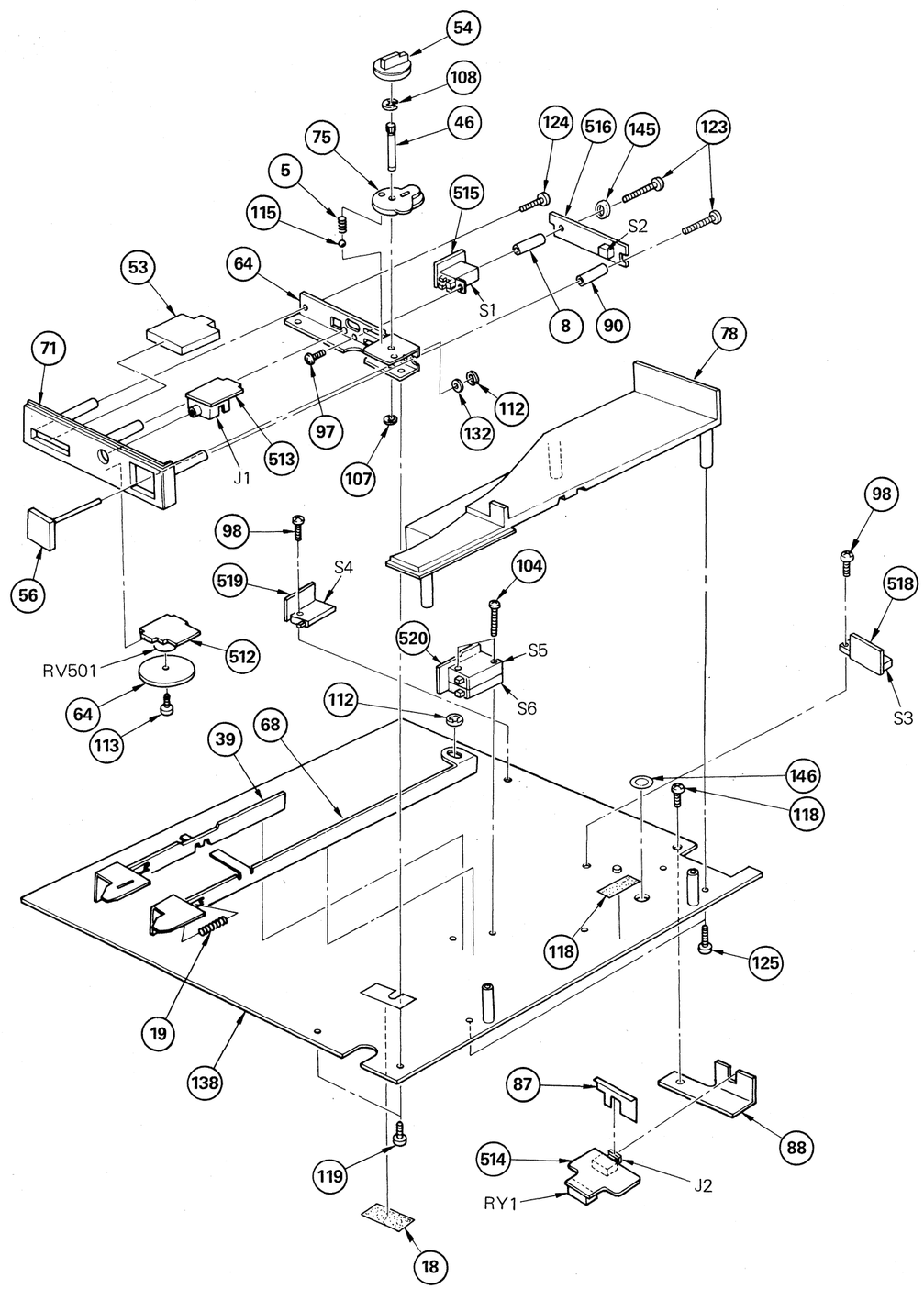
16

(US model)

(3)


54
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75
5
515
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S2
53
64
S1
8
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132
513
J1
107
56
98
104
519
S4
518
520
S5
S3
RV501
512
S6
64
113
112
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68
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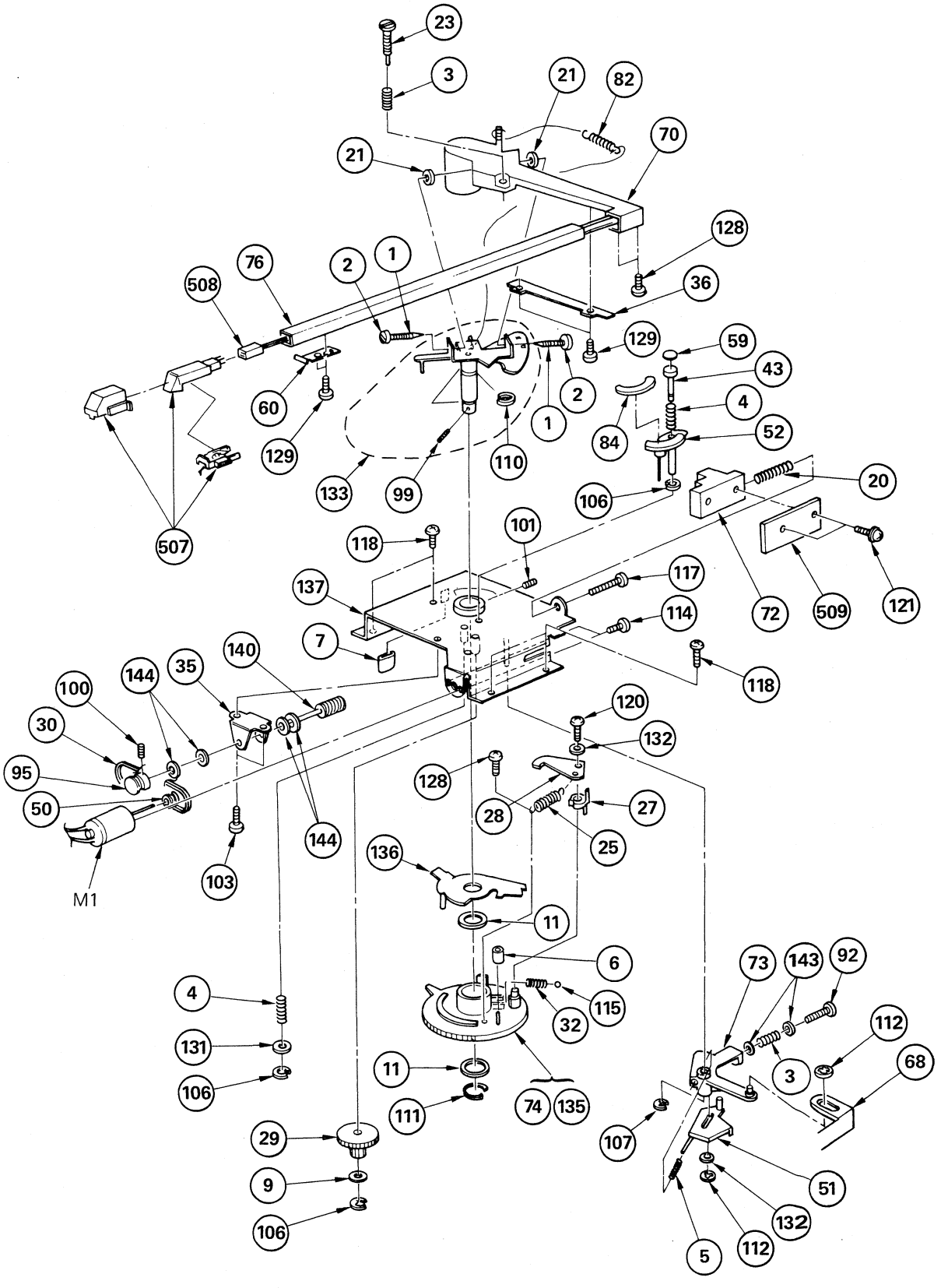
19
138
87
88
514
J2
RY1
119
18

(4)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52
110
133
99
106
20
507
118
101
137
117
114
72
509
121
7
140
144
35
100
30
95
50
M1
103
144
118
120
132
128
28
27
25
136
11
6
4
131
106
115
32
11
111
74
135
73
143
92
112
3
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107
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132
112
5
29
9
106

7. PARTS LIST

GENERAL SECTION

No.	Part No.	Description
1	2-203-518-61	SCREW, PIVOT
2	2-203-519-00	NUT (A), LOCK, PIVOT
3	3-549-887-00	SPRING, COIL, COMPRISION
4	3-573-150-00	SPRING, COMPRESSION
5	3-576-098-00	SPRING, COMPRESSION
6	3-579-008-00	RUBBER (S1), BRAKE
7	3-579-032-00	RUBBER, BRAKE
8 ♦	3-654-056-00	SPACER (2.6X7)
9 ♦	3-701-437-21	WASHER
10	3-701-443-21	WASHER, 5
11	3-701-448-21	WASHER, POLYETHYLENE
12	3-701-682-00	(US,E)...STOPPER, CORD
13	3-701-690-00	(UK).....LABEL, MADE IN JAPAN
14	3-703-244-00	(AEP,UK,G-AEP)...BUSHING, CORD
15	3-703-396-00	(UK)....LABEL, CAUTION
16 ♦	3-703-677-00	(US,UK)....LABEL, MAIN CAUTION
17	3-703-705-01	STICKER, SONY SYMBOL (30)
18	3-831-441-XX	CUSHION (B), CABINET
19	4-885-761-00	SPRING, COMPRESSION
20	4-861-965-00	SPRING, COMPRESSION
21	4-863-604-00	BEARING, PIVOT
22	4-870-945-00	RING (P9), O
23 ♦	4-873-347-00	SHAFT, ADJUSTMENT, HIGH
24	4-874-245-00	SPACER, BEARING
25	4-877-850-00	SPRING, TENSION
26 ♦	4-878-410-00	NUT, PLATE
27 ♦	4-879-717-00	RESET BLOCK
28	4-879-718-00	CLUTCH, LEAD-IN
29 ♦	4-879-727-00	GEAR
30	4-879-751-00	BELT
31	4-879-761-11	HINGE
32	4-879-762-00	SPRING, COMPRESSION
33 ♦	4-881-683-00	(E)....LABEL, VOLTAGE
34 ♦	4-885-101-00	RUBBER, HOLDING, TRANSFORMER
35 ♦	4-885-103-00	SUPPORT, WORM SHAFT
36 ♦	4-885-106-00	PLATE, LOWER, ARM
37 ♦	4-885-107-00	(US)...BRACKET (A), POWER CORD
38	.....	
39 ♦	4-885-108-00	LEVER, SWITCH
40	4-885-109-00	CAP, ROTOR
41	4-885-110-00	SPACER
42	4-885-111-00	PLATE, ORNAMENTAL
43	4-885-117-00	SHAFT, BRAKE
44	4-885-121-00	NUT, ORNAMENTAL
45	4-885-122-03	SHAFT, RETAINER BLOCK

GENERAL SECTION

No.	Part No.	Description
46	4-885-124-00	SHAFT, KNOB
47	4-885-125-00	BEARING, MOTOR
48	4-885-126-00	NUT
49	4-885-128-00	RETAINER BLOCK
50	4-885-130-02	PULLEY
51	4-885-131-00	PLATE, ADJUSTMENT
52	4-885-132-00	BLOCK, UP END DOWN
53	4-885-133-00	BUTTON, POWER
54	4-885-134-00	KNOB, SELECTOR
55	4-885-135-11	RETAINER, THRUST
56	4-885-136-00	BUTTON, S/S
57	4-885-137-00	SHEET, ROTOR
58	4-885-138-02	CUSHION
59	4-885-139-00	PAD, BRAKE
60	4-885-140-02	SPRING, LEAF
61	4-885-143-02	SPACER (A), LEG
62	4-885-144-02	SPACER (B), LEG
63	4-885-145-00	PIECE, ARM LOCK
64	4-885-146-00	KNOB, CONTROL
65 ♦	4-885-156-00	PLATE, HOLDING, TRANSFORMER
66 ♦	4-885-158-00	(AEP,UK,G-AEP)...BRACKET (B), POWER CORD
67 ♦	4-885-159-00	(E).....BRACKET (C), POWER CORD
68 ♦	4-885-163-00	LEVER, SELECT
69 ♦	4-885-164-00	BRACKET, CONTROL BLOCK
70 ♦	4-885-166-02	JOINT, PIPE
71	4-885-167-00	PANEL, CONTROL
72	4-885-169-00	BLOCK, END ADJUSTMENT
73	4-885-170-00	LEVER, SELECTION
74	4-885-171-02	GEAR, CAM
75	4-885-172-00	CAM, SELECTION
76	4-885-173-00	PIPE, ARM
77	4-885-174-00	HOLDER, ADAPTOR
78 ♦	4-885-176-00	(US).....FRAME, SUB; SILVER
78 ♦	4-885-176-41	(AEP,UK,E)...FRAME, SUB; BLACK
79 ♦	4-885-178-00	(AEP,UK)...PLATE, BOTTOM
79 ♦	4-885-178-11	(E).....PLATE, BOTTOM
79 ♦	4-885-178-23	(US).....PLATE, BOTTOM
80	.....	
81	4-885-181-11	(US).....FRAME
81 ♦	4-885-181-51	(AEP,UK,E,G-AEP)...FRAME
82	4-885-182-00	SPRING, TENSION
83	4-885-183-00	CUSHION (D)
84	4-885-184-00	FELT, UP AND DOWN

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked " ♦ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

CAPACITORS:
- All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers. MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- F : nonflammable

SEMICONDUCTORS
In each case, U : μ, for example:
UA···: μA···, UPA···: μPA···, UPC···: μPC, UPD···: μPD···

COILS
- MMH : mH, UH : μH

GENERAL SECTION

No.	Part No.	Description
85	4-885-185-00	BAND, SHIELD
86	4-885-186-00	BEARING, RADIAL
87 ♦	4-885-187-02	(US).....PLATE (A), JACK
88 ♦	4-885-188-02	(US).....PLATE (B), JACK
89 ♦	4-885-197-00	(US,AEP,UK,G-AEP)....PROTECTOR
90 ♦	4-885-199-00	SPACER
91	4-885-201-02	(AEP,G-AEP)....LABEL, MODEL NUMBER
91	4-885-202-00	(UK) ....LABEL, MODEL NUMBER
91	4-885-203-00	(E).....LABEL, MODEL NUMBER
91	4-885-207-00	(US).....LABEL, MODEL NUMBER
92	4-885-204-00	SCREW, R
93	4-885-213-00	(AEP,G-AEP)....LABEL, STAND-BY
94	4-885-214-00	(E)....PROTECTOR, POWER
95	4-885-215-00	PULLEY
96	.....	
97	7-621-255-25	SCREW +P 2X4
98	7-621-259-55	SCREW +P 2.6X8
99	7-621-712-17	SET-SCREW, SLOT 2.6X2 CUP POINT
100	7-621-731-08	SET-SCT, HEX. 2X2.5, FLAT POINT
101	7-621-734-09	SET-SCT, HEX. 2.6X3
102	7-621-772-10	SCREW +B 2X4
103	7-621-775-10	SCREW +B 2.6X4
104	7-621-775-88	SCREW +P 2.6X16
105	7-623-422-07	(US).....LW 3, TYPE B
106	7-624-102-04	STOP RING 1.5, TYPE -E
107	7-624-104-04	STOP RING 2.0, TYPE -E
108	7-624-105-04	STOP RING 2.3, TYPE -E
109	7-624-109-04	STOP RING 5.0, TYPE -E
110	7-624-133-44	STOP RING 9, TYPE-CE
111	7-624-133-74	STOP RING 12, TYPE-CE
112	7-624-190-81	STOP RING 2, TYPE-CS
113	7-627-450-78	SCREW, PRECISION +K 1.7X4
114	7-627-553-38	SCREW, PRECISION +P 2X3
115	7-671-113-01	BALL 3, STEEL
116	7-671-151-01	STAINLESS, BALL 1/16INCH
117	7-682-151-01	SCREW +P 3X14
118	7-682-546-04	SCREW +B 3X5
119	7-682-546-09	SCREW +B 3X5
120	7-685-102-21	SCREW +P 2X4 TYPE2 SLIT
121	7-685-104-11	SCREW +P 2X6 TYPE2 NON-SLIT
122	7-685-138-11	SCREW +P 2.6X16 TYPE2 NON-SLIT
123	7-685-138-21	SCREW +P 2.6X16 TYPE 2 SLIT
124	7-685-534-24	SCREW +P 2.6X8 TYPE2 NON-SLIT
125	7-685-647-14	SCREW +BVTP 3X10 TYPE2 N-S
126	7-685-648-19	(US,UK,E)....SCREW +BVTP 3X12 TYPE2 N-S
127	7-685-648-29	(AEP)....SCREW +BVTP 3X12 TYPE 2 SLIT

GENERAL SECTION

No.	Part No.	Description
128	7-685-780-01	SCREW +PTT 2X3 (S)
129	7-685-799-04	SCREW +PTT 1.7X2.5
130	7-685-871-09	(E)...SCREW +BVTT 3X6 (S)
131	7-688-001-01	W 2, SMALL
132	7-688-001-11	W 2, MIDDLE
133	A-4607-016-A	ROTARY BLOCK ASSY
134	A-4608-226-A	FRAME SUB ASSY, MOTOR
135	A-4609-027-A	GEAR ASSY, CAM
136 ♦	X-4885-101-3	PLATE ASSY, LEAD-IN
137 ♦	X-4885-103-3	CHASSIS ASSY, SUB
138 ♦	X-4885-105-2	(E).....CHASSIS ASSY (2)
138 ♦	X-4885-106-0	(US,AEP,UK)...CHASSIS ASSY (1)
139	X-4885-107-0	COVER ASSY, DUST; SILVER
139	X-4885-107-6	COVER ASSY, DUST; BLACK
140 ♦	X-4885-111-0	GEAR ASSY, WORM
141	7-682-145-13	SCREW +P 3X4
142	3-701-439-10	W3, PLASTIC
143	7-688-003-01	W3, SMALL
144	3-701-437-11	W2, PLASTIC
145	2-229-507-00	W2.6, PLASTIC
146	4-885-198-00	SPACER
147	4-885-206-00	PAPER, SHIELD

ACCESSORY & PACKING MATERIAL

No.	Part No.	Description
181	1-555-658-00	CORD, CONNECTION (RK-129)
182	3-701-630-00	BAG, POLYETHYLENE
183	3-773-115-11	(AEP,UK,E)..MANUAL, INSTRUCTION
184	3-773-115-21	(US).....MANUAL, INSTRUCTION
185	3-773-115-41	(AEP).....MANUAL, INSTRUCTION
186	3-795-557-11	INSTRUCTION, TURNTABLE SPACER
187	4-885-168-00	ADAPTOR, 45
188	4-885-190-00	STOPPER, ARM
189	4-885-192-00	SHEET, PROTECTION
190	4-885-193-00	SHEET, PROTECTION
191	4-885-205-00	CUSHION (FRONT)
192	4-885-206-00	CUSHION (REAR)
193	4-885-209-00	INDIVIDUAL CARTON
194	4-885-212-00	SPACER, TURNTABLE

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CAPACITORS:
- All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers. MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- F : nonflammable

SEMICONDUCTORS
In each case, U : μ, for example:
UA···: μA···, UPA···: μPA···, UPC···: μPC, UPD···: μPD···

COILS
- MMH : mH, UH : μH

ELECTRICAL PARTS

Ref.No.	Part No.	Description
501	1-507-688-41	JACK (STEREO PLUG) (J2)
502	1-507-812-00	JACK (J1)
503	♦;1-508-800-13	U TYPE BASE POST 3P
504	1-515-495-00	RELAY (RY1)
505	⚠.1-534-817-XX	(AEP)...CORD, POWER
505	⚠.1-551-472-00	(E).....CORD, POWER
505	⚠.1-551-506-XX	(US)....CORD, POWER
505	⚠.1-551-884-00	(UK)....CORD, POWER
505	⚠.1-555-734-00	(E).....CORD, POWER
506	♦;1-535-416-00	(US,AEP,UK)....TERMINAL
507	1-549-113-12	CARTRIDGE
508	1-556-504-00	CONNECTOR, PLUG IN TYPE
509	♦;1-608-527-00	PC BOARD, END DETECT
510	♦;1-608-536-00	(US,AEP,UK)...PC BOARD, PRIMARY RELAYING
511	♦;1-608-537-00	PC BOARD, TMD
512	♦;1-608-538-00	PC BOARD, VOLUME CONTROL
513	♦;1-608-539-00	PC BOARD, HEADPHONE
514	♦;1-608-853-12	PC BOARD, JACK
515	♦;1-609-929-00	PC BOARD, POWER SWITCH
516	♦;1-609-930-00	PC BOARD, START STOP
517	♦;1-609-932-12	PC BOARD, SERVO
518	♦;1-609-933-12	PC BOARD, REST SWITCH
519	♦;1-609-934-12	PC BOARD, PLAY SWITCH
520	♦;1-609-935-12	PC BOARD, SPEED/SIZE
521	♦;1-609-936-12	PC BOARD, HEAD
522	A-4608-221-A	ROTOR ASSY
523	A-4608-250-A	MOTOR ASSY
524	♦;A-4619-202-A	MOUNTED PCB, SERVO

C101	1-123-311-00	ELECT	1000MF	20%	10V
C102	1-123-311-00	ELECT	1000MF	20%	10V
C103	1-123-647-00	ELECT	47MF	20%	6.3V
C104	1-123-647-00	ELECT	47MF	20%	6.3V
C105	1-123-647-00	ELECT	47MF	20%	6.3V
C106	1-123-647-00	ELECT	47MF	20%	6.3V
C107	1-123-474-00	ELECT	100MF	20%	10V
C108	1-123-645-00	ELECT	33MF	20%	10V
C109	1-123-645-00	ELECT	33MF	20%	10V
C110	1-123-645-00	ELECT	33MF	20%	10V
C111	1-123-610-00	ELECT	0.47MF	20%	50V
C112	1-130-881-00	FILM	0.068MF	5%	50V
C113	1-162-113-00	CERAMIC	0.01MF	30%	16V
C114	1-123-611-00	ELECT	1MF	20%	50V
C115	1-123-647-00	ELECT	47MF	20%	6.3V
C116	1-123-610-00	ELECT	0.47MF	20%	50V
C117	1-161-494-00	CERAMIC	0.022MF	30%	25V
C118	1-162-111-00	CERAMIC	0.0022MF	30%	25V

ELECTRICAL PARTS

C119	1-162-111-00	CERAMIC	0.0022MF	30%	25V
C120	1-123-616-00	ELECT	4.7MF	20%	25V
C121	1-162-113-00	CERAMIC	0.01MF	30%	16V
C122	1-162-113-00	CERAMIC	0.01MF	30%	16V
C123	1-162-029-00	CERAMIC	47PF	5%	50V
C124	1-123-661-00	ELECT	100MF	20%	6.3V
C125	1-162-113-00	CERAMIC	0.01MF	30%	16V
C126	1-162-113-00	CERAMIC	0.01MF	30%	16V
C127	1-123-822-00	ELECT	47MF	20%	10V
C128	1-123-661-00	ELECT	100MF	20%	6.3V
C129	1-162-113-00	CERAMIC	0.01MF	30%	16V
C201	1-123-611-00	ELECT	1MF	20%	50V
C202	1-123-611-00	ELECT	1MF	20%	50V
C203	1-123-647-00	ELECT	47MF	20%	6.3V
C204	1-123-647-00	ELECT	47MF	20%	6.3V
C205	1-162-037-00	CERAMIC	100PF	5%	50V
C206	1-162-037-00	CERAMIC	100PF	5%	50V
C207	1-108-571-00	MYLAR	0.0047MF	5%	50V
C208	1-108-571-00	MYLAR	0.0047MF	5%	50V
C209	1-130-622-00	FILM	0.015MF	5%	50V
C210	1-130-622-00	FILM	0.015MF	5%	50V
C212	1-131-347-00	TANTALUM	1MF	20%	35V
C213	1-123-611-00	ELECT	1MF	20%	50V
C214	1-123-611-00	ELECT	1MF	20%	50V
C215	1-123-647-00	ELECT	47MF	20%	6.3V
C216	1-123-647-00	ELECT	47MF	20%	6.3V
C217	1-123-645-00	ELECT	33MF	20%	10V
C218	1-123-645-00	ELECT	33MF	20%	10V
C241	1-131-347-00	TANTALUM	1MF	20%	35V

CP1	♦;1-560-603-00	PIN, CONNECTOR 4P
CP2	♦;1-560-602-00	PIN, CONNECTOR 3P
CP3	♦;1-560-708-00	PIN, CONNECTOR 2P
CP4	♦;1-560-607-00	PIN, CONNECTOR 10P
CP5	♦;1-560-604-00	PIN, CONNECTOR 5P
CP6	♦;1-560-602-21	PIN, CONNECTOR 3P
CP7	♦;1-560-603-21	PIN, CONNECTOR 4P
CP10	♦;1-560-603-31	PIN, CONNECTOR 4P
D101	⚠.8-719-511-20	DIODE S1VB20
D102	8-719-101-48	DIODE RD4.7EL3
D103	8-719-911-19	DIODE 1SS119
D104	8-719-911-19	DIODE 1SS119
D105	8-719-911-19	DIODE 1SS119
D301	8-719-903-15	DIODE GL-9PG24
D401	8-719-101-11	DIODE SR110
D402	8-719-101-11	DIODE SR110
D801	8-719-911-19	DIODE 1SS119

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CAPACITORS:
- All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers. MF:μF, PF:μμF.

RESISTORS
- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- F : nonflammable

COILS
- MMH : mH, UH : μH

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

SEMICONDUCTORS
In each case, U : μ, for example:
UA···: μA···, UPA···: μPA···, UPC···: μPC, UPD···: μPD···

ELECTRICAL PARTS

Ref.No.	Part No.	Description
H1	8-719-800-17	DIODE THS102A
H2	8-719-800-17	DIODE THS102A
HSG	1-543-093-00	HEAD
IC101	8-759-907-68	IC TMS1050/S-4
IC102	8-759-962-08	IC BA6208
IC103	8-759-145-58	IC NJM4558C
IC104	8-759-145-58	IC NJM4558C
IC105	8-759-600-69	IC CX-069A
IC201	8-759-745-61	IC NJM4560D-D
IC202	8-759-145-57	IC UPC4557C
M1	1-541-217-00	MOTOR
Q101	8-729-802-34	TRANSISTOR 2SD1388
Q103	8-729-802-34	TRANSISTOR 2SD1388
Q104	8-729-802-22	TRANSISTOR 2SB1014
Q105	8-729-117-54	TRANSISTOR 2SA1175
Q106	8-729-245-83	TRANSISTOR 2SC2458
Q107	8-729-245-83	TRANSISTOR 2SC2458
Q108	8-729-117-54	TRANSISTOR 2SA1175
Q109	8-729-245-83	TRANSISTOR 2SC2458
Q110	8-729-245-83	TRANSISTOR 2SC2458
Q111	8-729-245-83	TRANSISTOR 2SC2458
Q112	8-729-177-32	TRANSISTOR 2SD773
Q113	8-729-113-32	TRANSISTOR 2SB733
Q114	8-729-177-32	TRANSISTOR 2SD773
Q115	8-729-113-32	TRANSISTOR 2SB733
Q401	8-729-101-13	TRANSISTOR PH103-L
Q402	8-729-101-13	TRANSISTOR PH103-L
R101	1-206-451-00	METAL OXIDE 3.3 5% 2W F
R102	1-206-451-00	METAL OXIDE 3.3 5% 2W F
R103	1-212-368-00	METAL OXIDE 4.7 5% 1W F
R104	1-212-368-00	METAL OXIDE 4.7 5% 1W F
R105	1-247-823-00	CARBON 470 5% 1/6W
R106	1-247-823-00	CARBON 470 5% 1/6W
R107	1-247-823-00	CARBON 470 5% 1/6W
R108	1-247-823-00	CARBON 470 5% 1/6W
R109	1-247-817-00	CARBON 270 5% 1/6W
R110	1-247-855-00	CARBON 10K 5% 1/6W
R111	1-247-879-00	CARBON 100K 5% 1/6W
R112	1-247-809-00	CARBON 120 5% 1/6W
R113	1-214-767-00	METAL 39K 1% 1/4W
R114	1-214-779-00	METAL 120K 1% 1/4W
R115	1-247-875-00	CARBON 68K 5% 1/6W
R116	1-247-875-00	CARBON 68K 5% 1/6W
R117	1-247-809-00	CARBON 120 5% 1/6W
R118	1-247-831-00	CARBON 1K 5% 1/6W

ELECTRICAL PARTS

Ref.No.	Part No.	Description
R119	1-247-825-00	CARBON 560 5% 1/6W
R120	1-247-814-00	CARBON 200 5% 1/6W
R121	1-247-831-00	CARBON 1K 5% 1/6W
R122	1-247-831-00	CARBON 1K 5% 1/6W
R123	1-247-831-00	CARBON 1K 5% 1/6W
R124	1-247-831-00	CARBON 1K 5% 1/6W
R125	1-247-891-00	CARBON 330K 5% 1/6W
R126	1-247-891-00	CARBON 330K 5% 1/6W
R127	1-247-887-00	CARBON 220K 5% 1/6W
R128	1-247-887-00	CARBON 220K 5% 1/6W
R129	1-247-887-00	CARBON 220K 5% 1/6W
R130	1-247-887-00	CARBON 220K 5% 1/6W
R131	1-247-815-00	CARBON 220 5% 1/6W
R132	1-247-815-00	CARBON 220 5% 1/6W
R133	1-247-815-00	CARBON 220 5% 1/6W
R134	1-247-815-00	CARBON 220 5% 1/6W
R135	1-247-855-00	CARBON 10K 5% 1/6W
R136	1-247-855-00	CARBON 10K 5% 1/6W
R137	1-247-891-00	CARBON 330K 5% 1/6W
R138	1-247-855-00	CARBON 10K 5% 1/6W
R139	1-247-855-00	CARBON 10K 5% 1/6W
R140	1-247-855-00	CARBON 10K 5% 1/6W
R141	1-247-873-00	CARBON 56K 5% 1/6W
R142	1-247-879-00	CARBON 100K 5% 1/6W
R143	1-247-876-00	CARBON 75K 5% 1/6W
R144	1-247-867-00	CARBON 33K 5% 1/6W
R145	1-247-879-00	CARBON 100K 5% 1/6W
R146	1-247-775-00	CARBON 4.7 5% 1/6W
R201	1-247-879-00	CARBON 100K 5% 1/6W
R202	1-247-879-00	CARBON 100K 5% 1/6W
R203	1-247-879-00	CARBON 100K 5% 1/6W
R204	1-247-879-00	CARBON 100K 5% 1/6W
R205	1-247-807-00	CARBON 100 5% 1/6W
R206	1-247-807-00	CARBON 100 5% 1/6W
R207	1-247-814-00	CARBON 200 5% 1/6W
R208	1-247-814-00	CARBON 200 5% 1/6W
R209	1-247-861-00	CARBON 18K 5% 1/6W
R210	1-247-861-00	CARBON 18K 5% 1/6W
R211	1-247-887-00	CARBON 220K 5% 1/6W
R212	1-247-887-00	CARBON 220K 5% 1/6W
R213	1-247-831-00	CARBON 1K 5% 1/6W
R214	1-247-831-00	CARBON 1K 5% 1/6W
R215	1-247-871-00	CARBON 47K 5% 1/6W
R216	1-247-871-00	CARBON 47K 5% 1/6W
R217	1-247-865-00	CARBON 27K 5% 1/6W

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- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
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COILS
- MMH : mH, UH : μH

SUPPLEMENT No. 2

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R218	1-247-865-00	CARBON	27K	5%	1/6W
R219	1-247-887-00	CARBON	220K	5%	1/6W
R220	1-247-887-00	CARBON	220K	5%	1/6W
R221	1-247-813-00	CARBON	180	5%	1/6W
R222	1-247-813-00	CARBON	180	5%	1/6W
R223	1-247-806-00	CARBON	91	5%	1/6W
R224	1-247-806-00	CARBON	91	5%	1/6W
R225	1-247-807-00	CARBON	100	5%	1/6W
R226	1-247-807-00	CARBON	100	5%	1/6W
R301	1-246-457-00	CARBON	220	5%	1/4W
R401	1-246-457-00	CARBON	220	5%	1/4W
R501	1-247-809-00	CARBON	120	5%	1/6W
R502	1-247-809-00	CARBON	120	5%	1/6W
RV101	1-226-427-00	RES, ADJ, CARBON 500			
RV102	1-228-238-00	RES, ADJ, METAL GLAZE 20K			
RV103	1-226-237-00	RES, ADJ, CARBON 20K			
RV104	1-226-430-00	RES, ADJ, CARBON 5K			
RV105	1-226-430-00	RES, ADJ, CARBON 5K			
RV106	1-226-434-00	RES, ADJ, CARBON 100K			
RV107	1-226-434-00	RES, ADJ, CARBON 100K			
RV501	1-228-169-00	RES, VAR, CARBON 10K/10K			
RV701	1-226-431-00	RES, ADJ, CARBON 10K			

ELECTRICAL PARTS

Ref.No.	Part No.	Description
S101	⚠.1-552-535-00	(E)...VOLTAGE SELECTOR
S1	1-553-909-00	SWITCH, PUSH
S2	1-553-856-00	SWITCH, KEY BOARD
S3	1-552-532-00	SWITCH, PUSH
S4	1-552-532-00	SWITCH, PUSH
S5	1-552-532-00	SWITCH, PUSH
S6	1-552-532-00	SWITCH, PUSH
T1	⚠.1-447-435-00	(US).....TRANSFORMER, POWER
T1	⚠.1-447-437-00	(E).....TRANSFORMER, POWER
T1	⚠.1-447-438-00	(AEP,UK,G-AEP)...TRANSFORMER, POWER
TP9	♦;1-560-200-00	BASE POST, MCD CONNECTOR 2P

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Sony Corporation
Consumer Products Group
Technical Support Dept.

English
83E06130-1
Printed in Japan
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